

Figure 1a: C. Adachi, et. al.

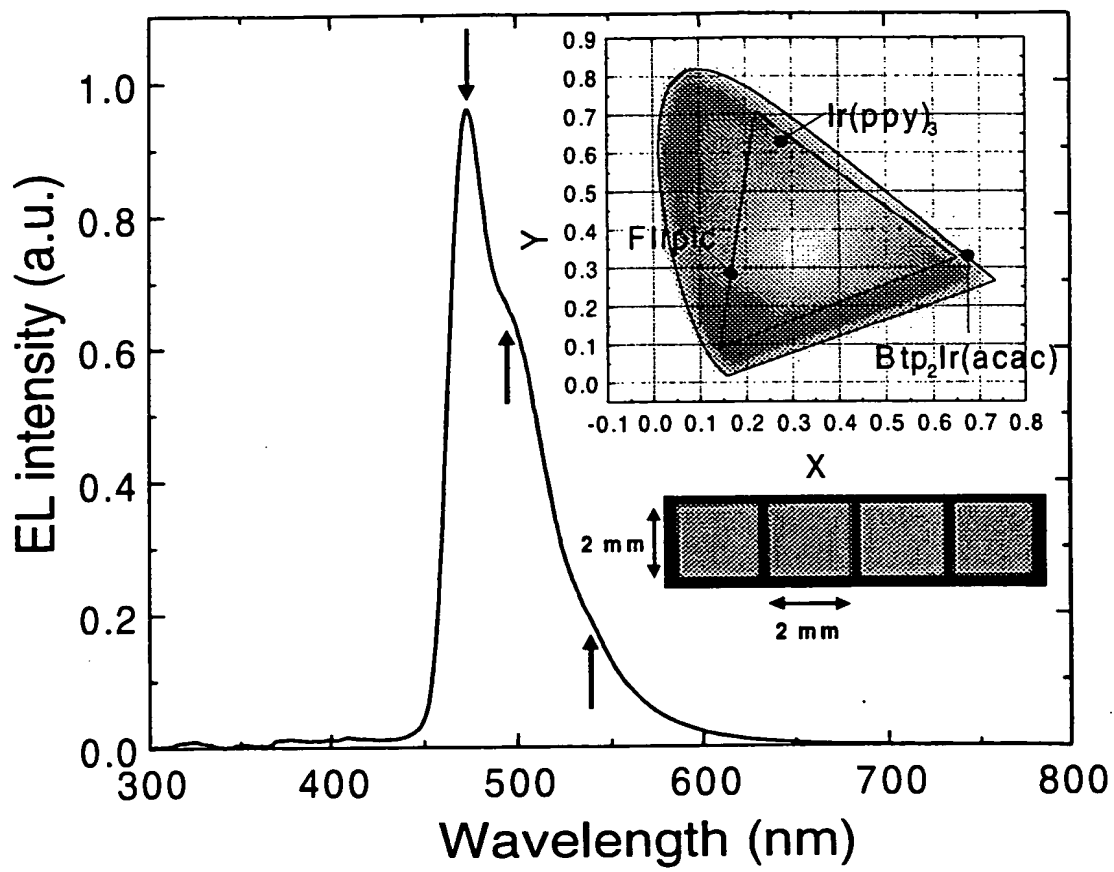


Figure 1b: C. Adachi, et. al.

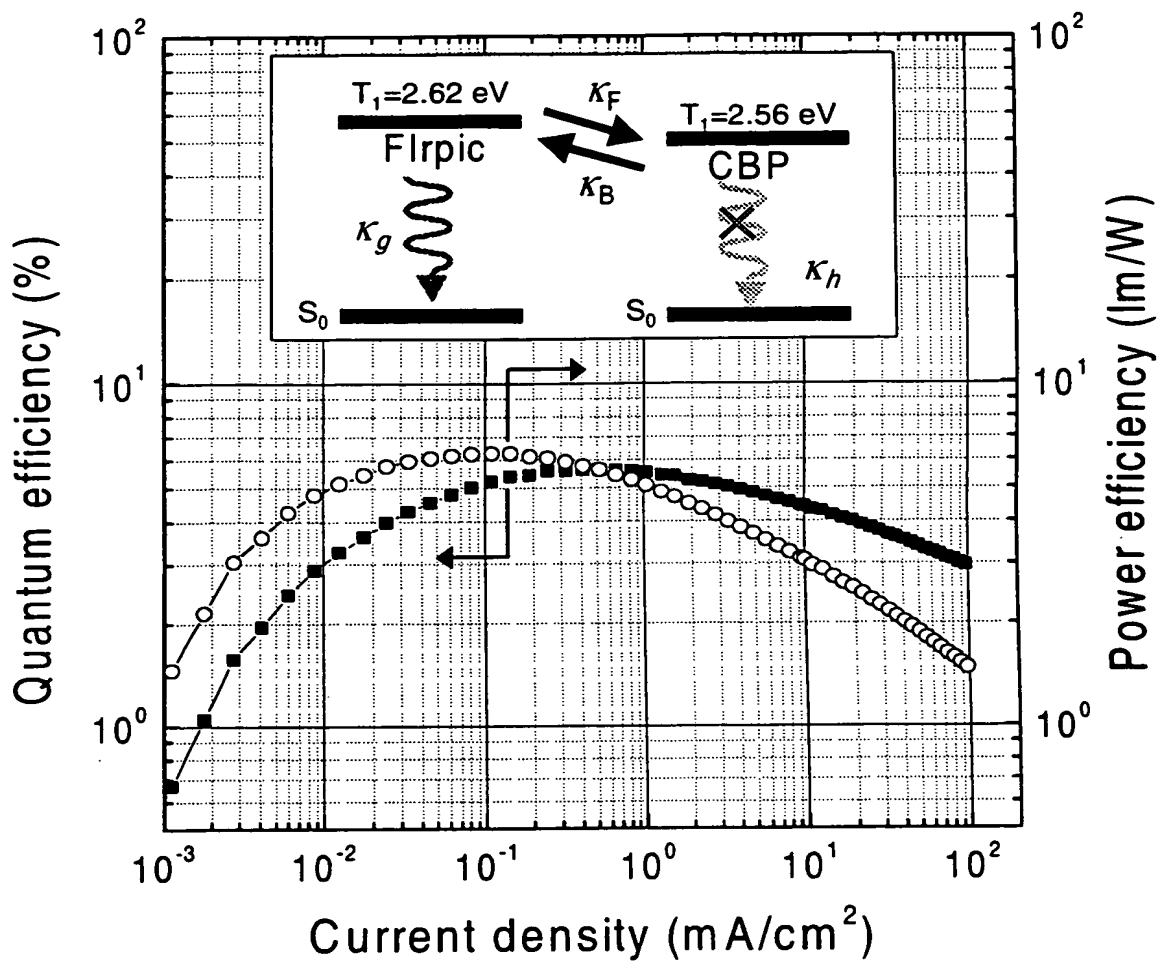


Figure 2: C. Adachi, et.al.

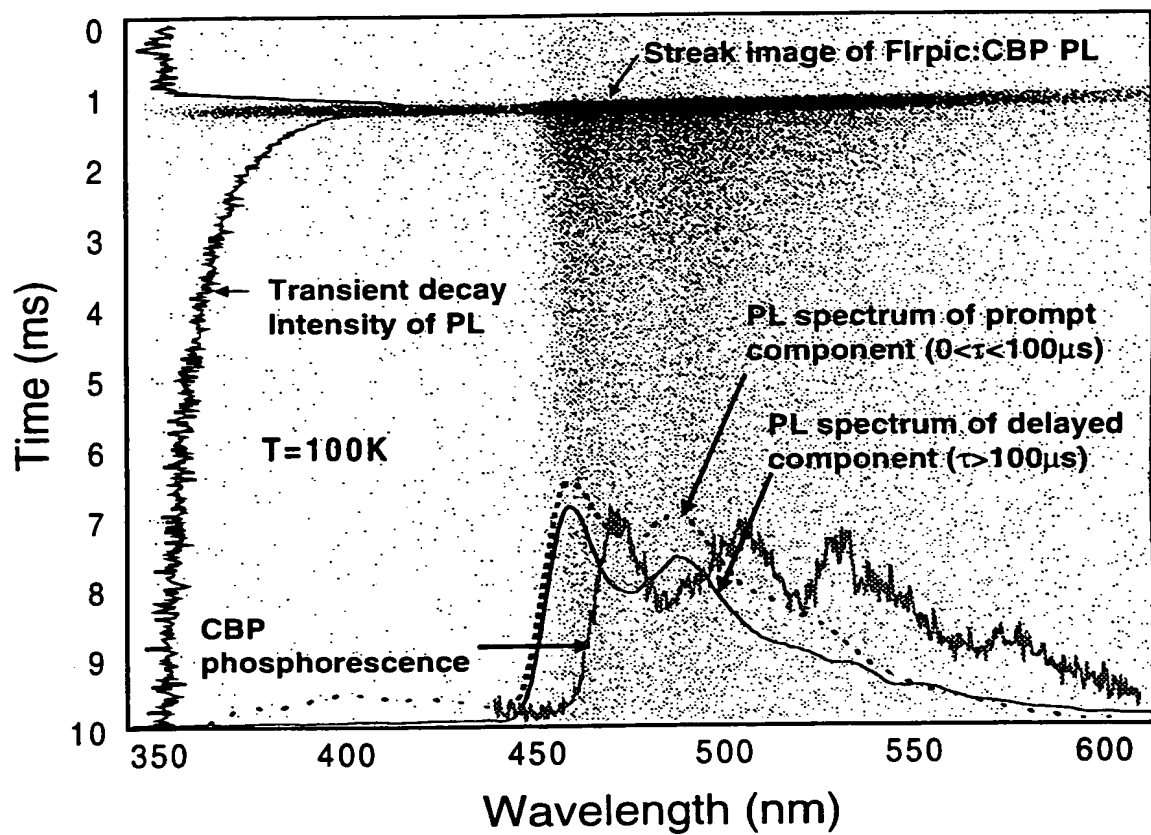


Figure 3: C. Adachi, et. al.

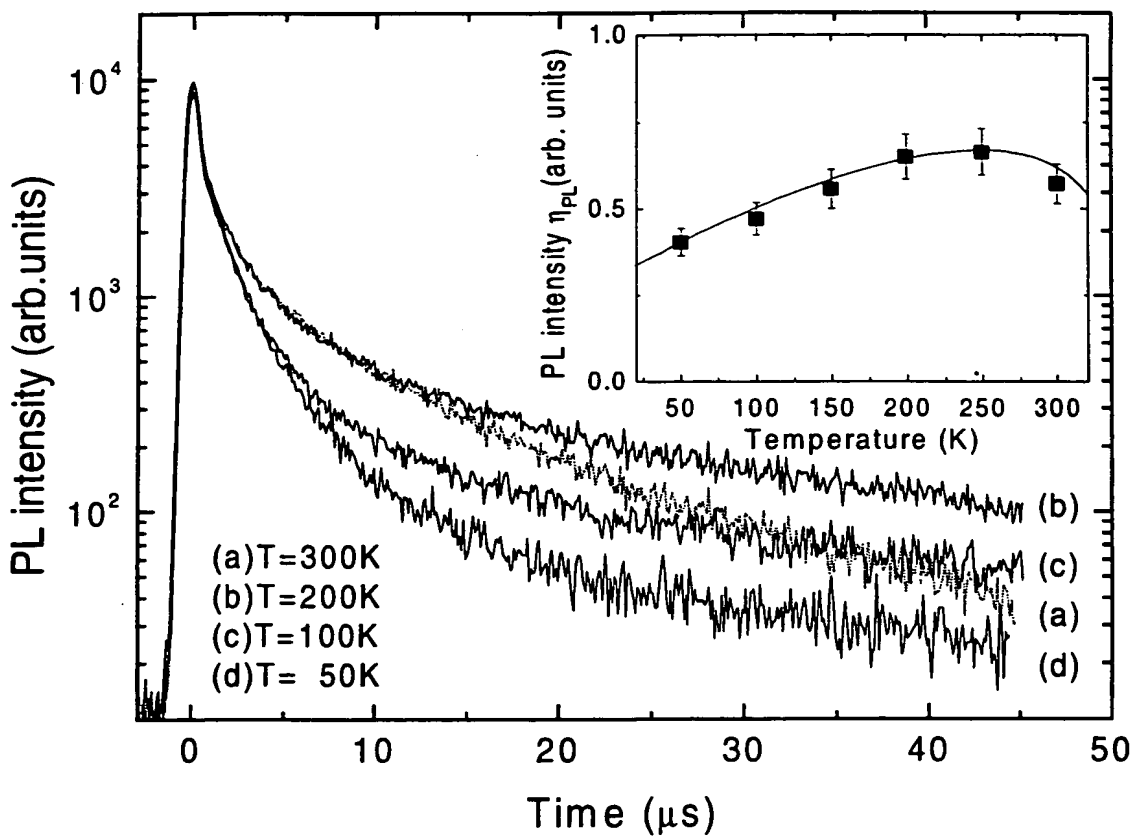
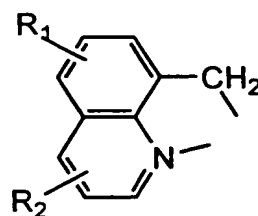
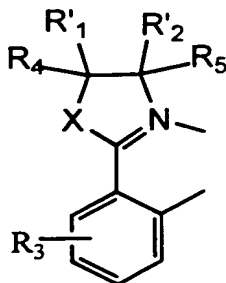
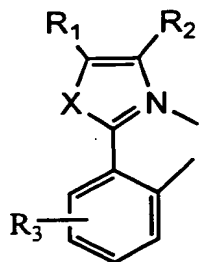
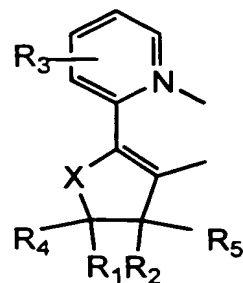
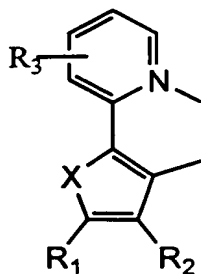
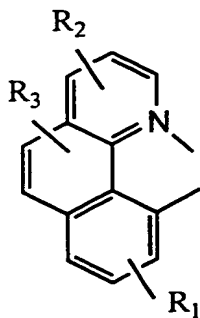
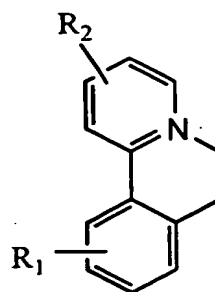
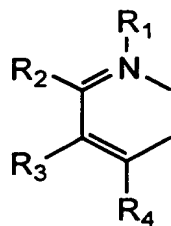


Figure 4: C. Adachi, et.al.

Figure 5a

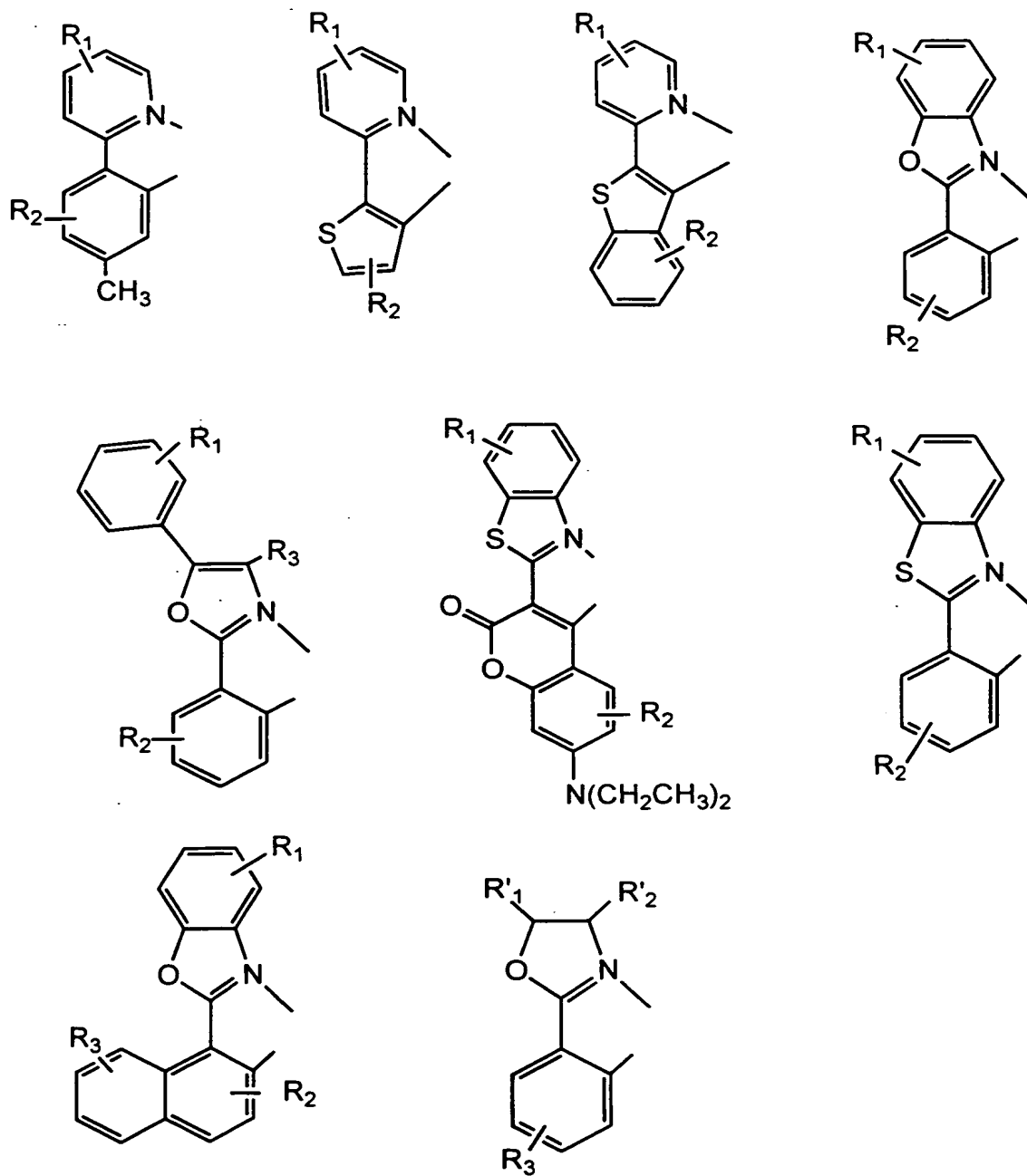
Generic Mono-Anionic, Bidentate, Carbon-Coordination Ligands-I



X = S, O, NR; and R₁, R₂, R₃, R₄ and R₅ are, independently, hydrogen, halogen, alkyl, aryl or arylene; and R'₁ and R'₂ may, in combination, be aryl.

Figure 5b

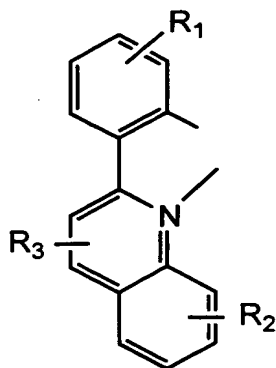
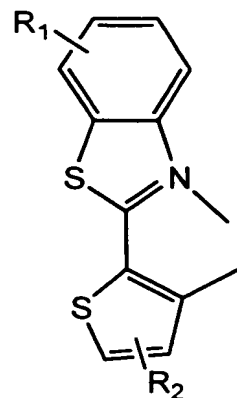
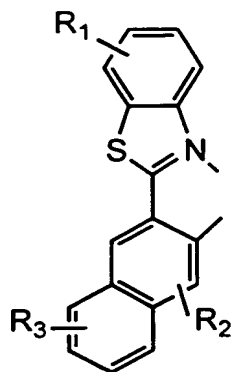
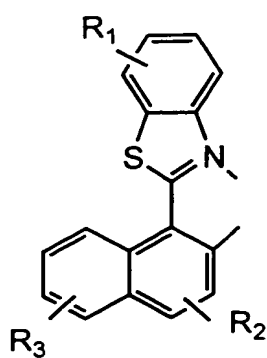
Generic Mono-Anionic, Bidentate, Carbon-Coordination Ligands-II



$X = S, O, NR$; and R_1, R_2, R_3, R_4 and R_5 are, independently, hydrogen, halogen, alkyl, aryl or arylene; and R'_1 and R'_2 may, in combination, be aryl.

Figure 5c

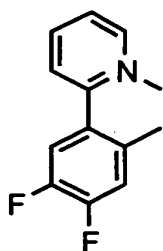
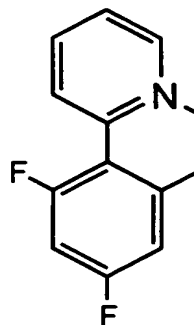
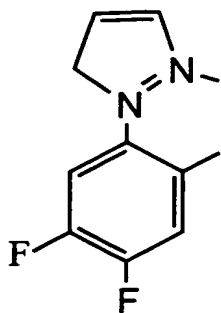
Generic Mono-Anionic, Bidentate, Carbon-Coordination Ligands-III



X = S, O, NR; and R_1 , R_2 , R_3 , R_4 and R_5 are, independently, hydrogen, halogen, alkyl, aryl or arylene.

Figure 5d

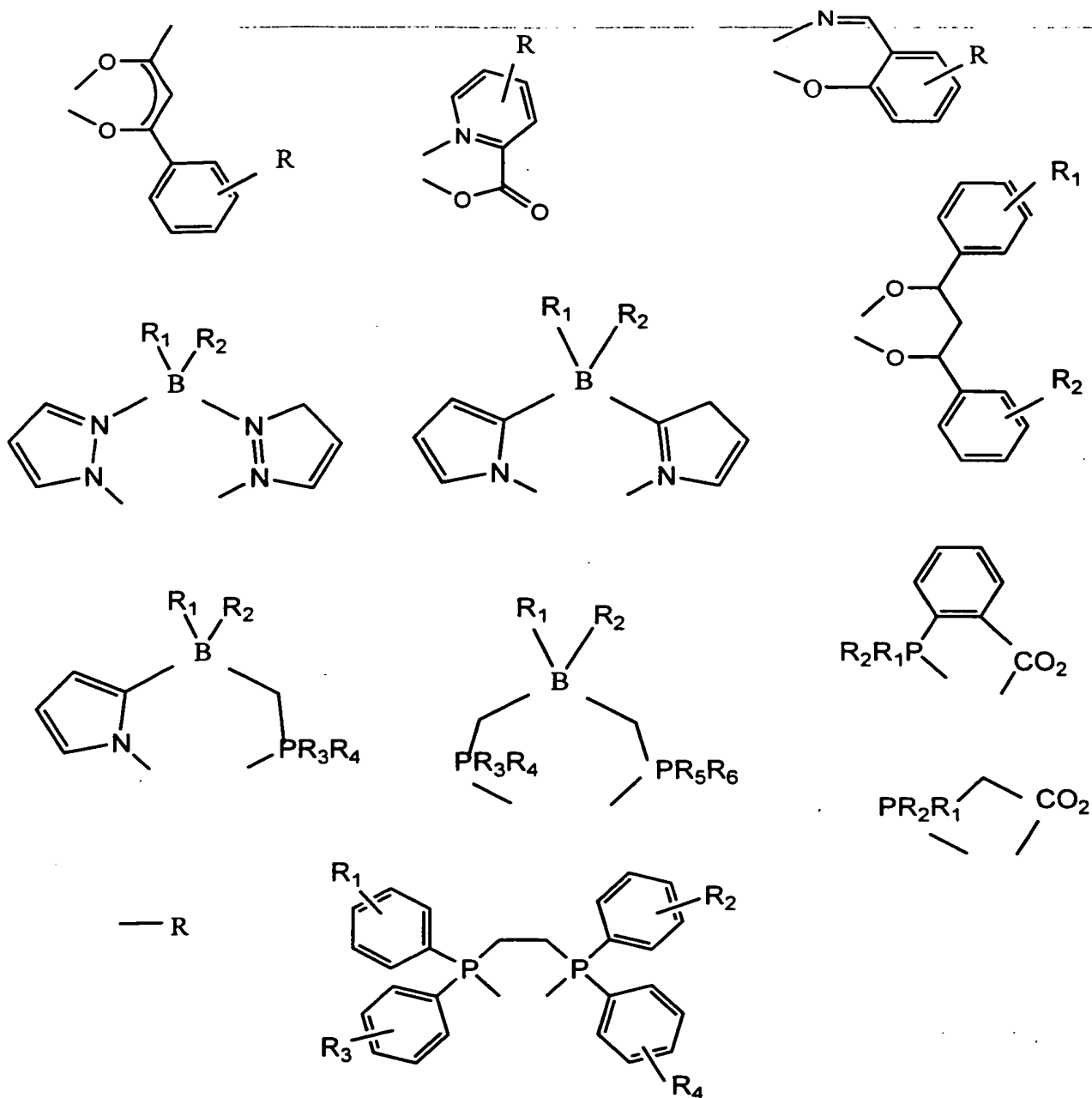
Specific Mono-Anionic, Bidentate, Carbon-Coordination Ligands-I



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DECEMBER 1978

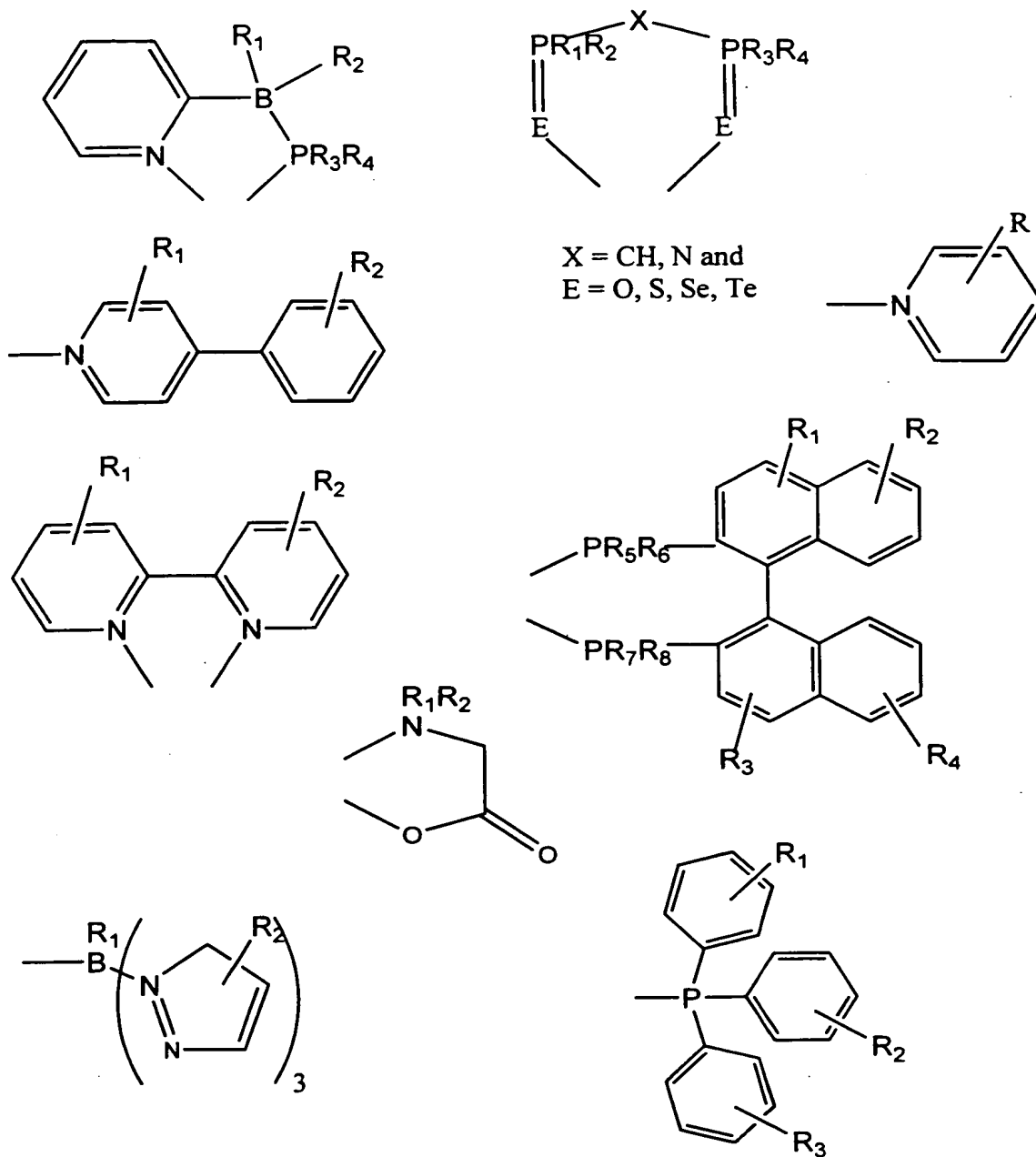
Generic Non-Mono-Anionic, Bidentate, Carbon-Coordination Ligands-I



R, R₁, R₂, R₃, R₄, R₅, and R₆ are, independently, hydrogen, halogen, alkyl or aryl.

Figure 6b

Generic Non-Mono-Anionic, Bidentate, Carbon-Coordination Ligands-II



$R, R_1, R_2, R_3, R_4, R_5, R_6, R_7$ and R_8 are, independently, hydrogen, halogen, alkyl or aryl.

Figure 6c

Specific Non-Mono-Anionic, Bidentate, Carbon-Coordination Ligands

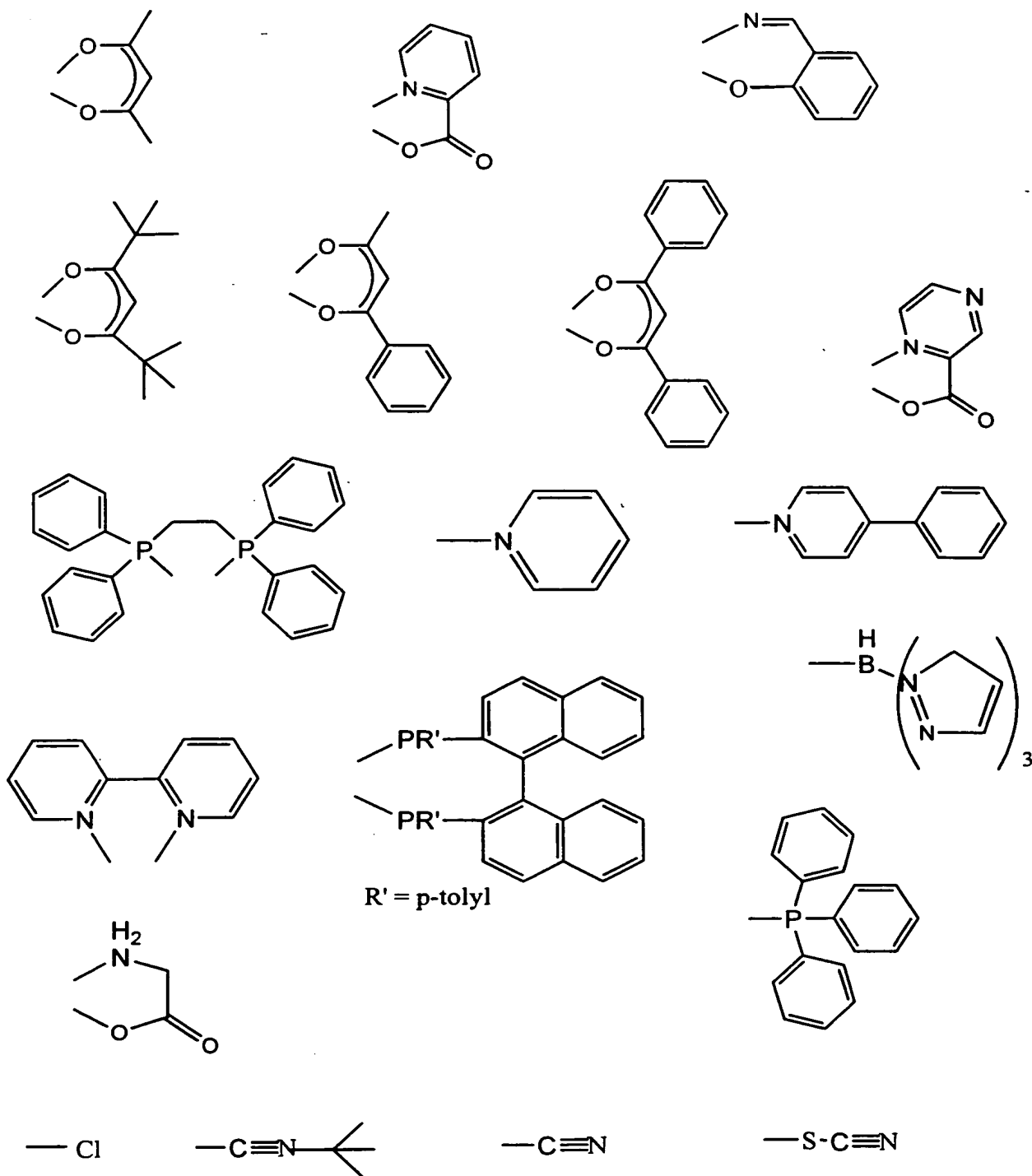


Figure 7a

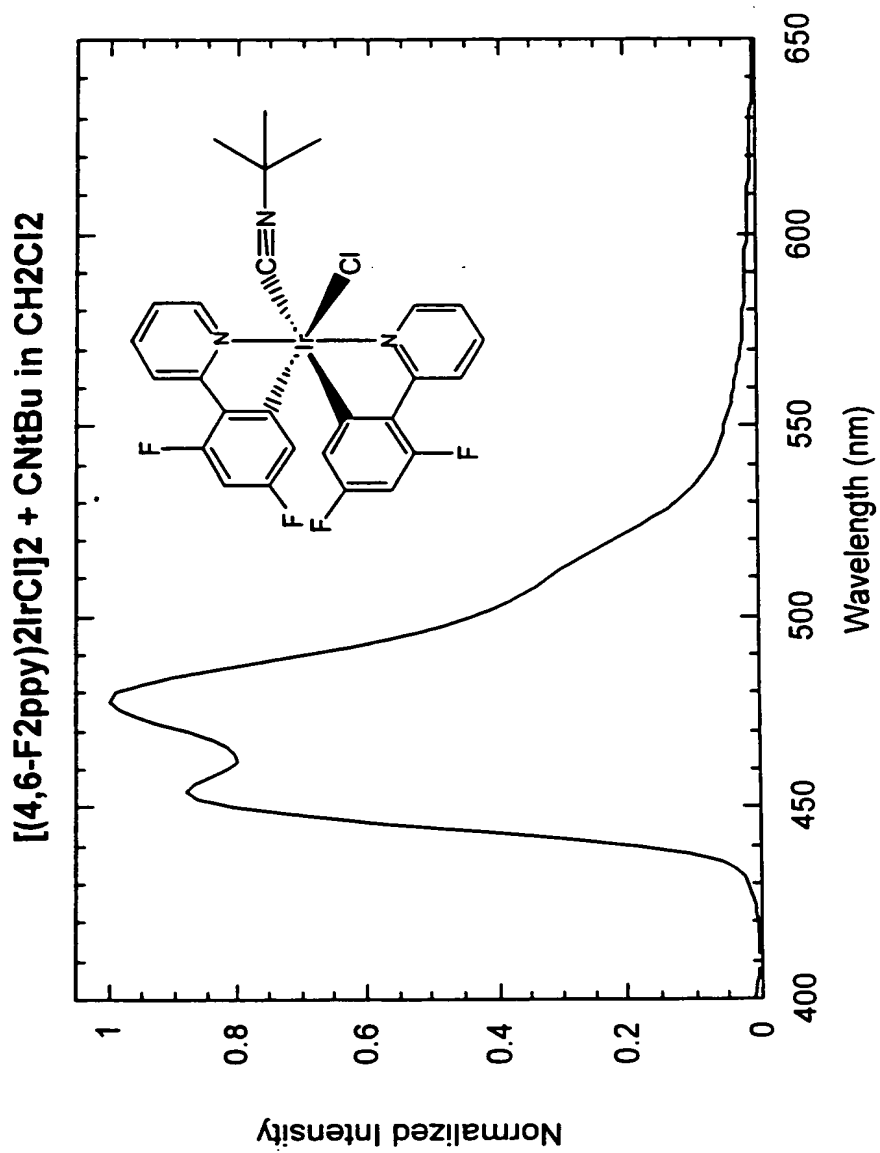


Figure 7b

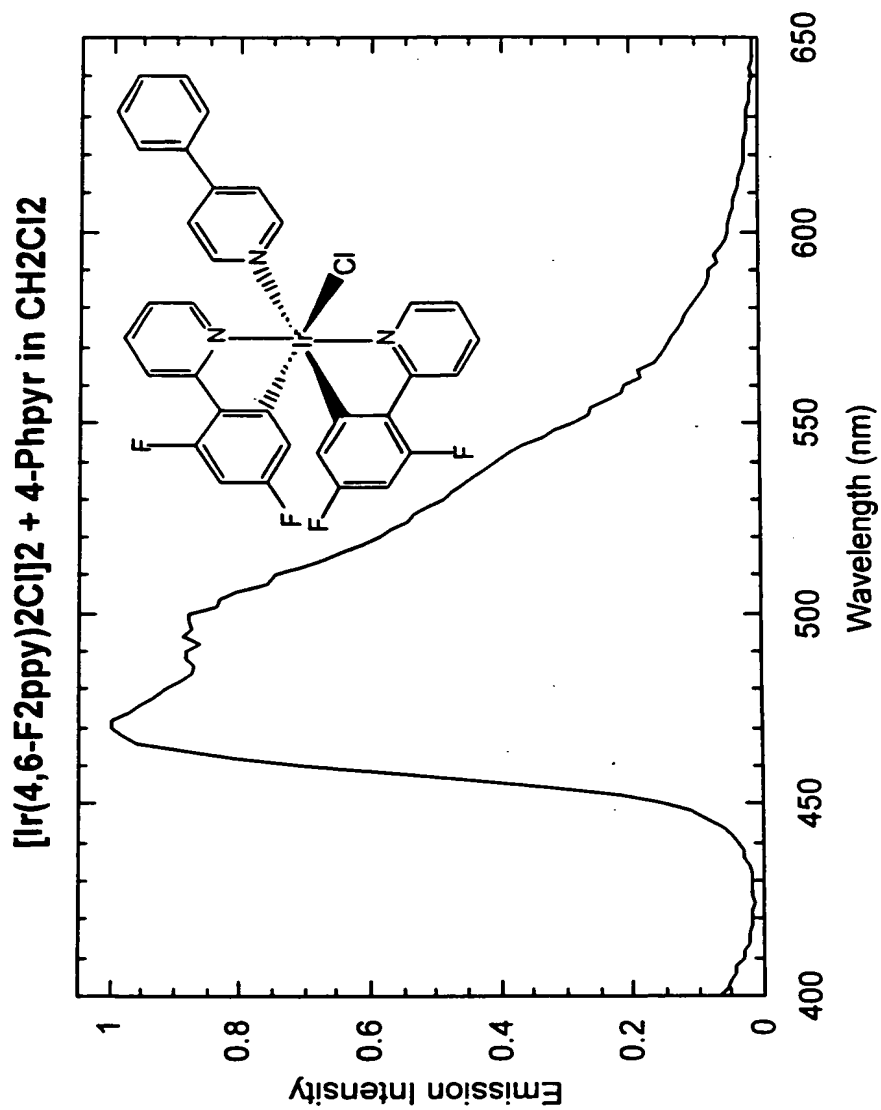


Figure 7c

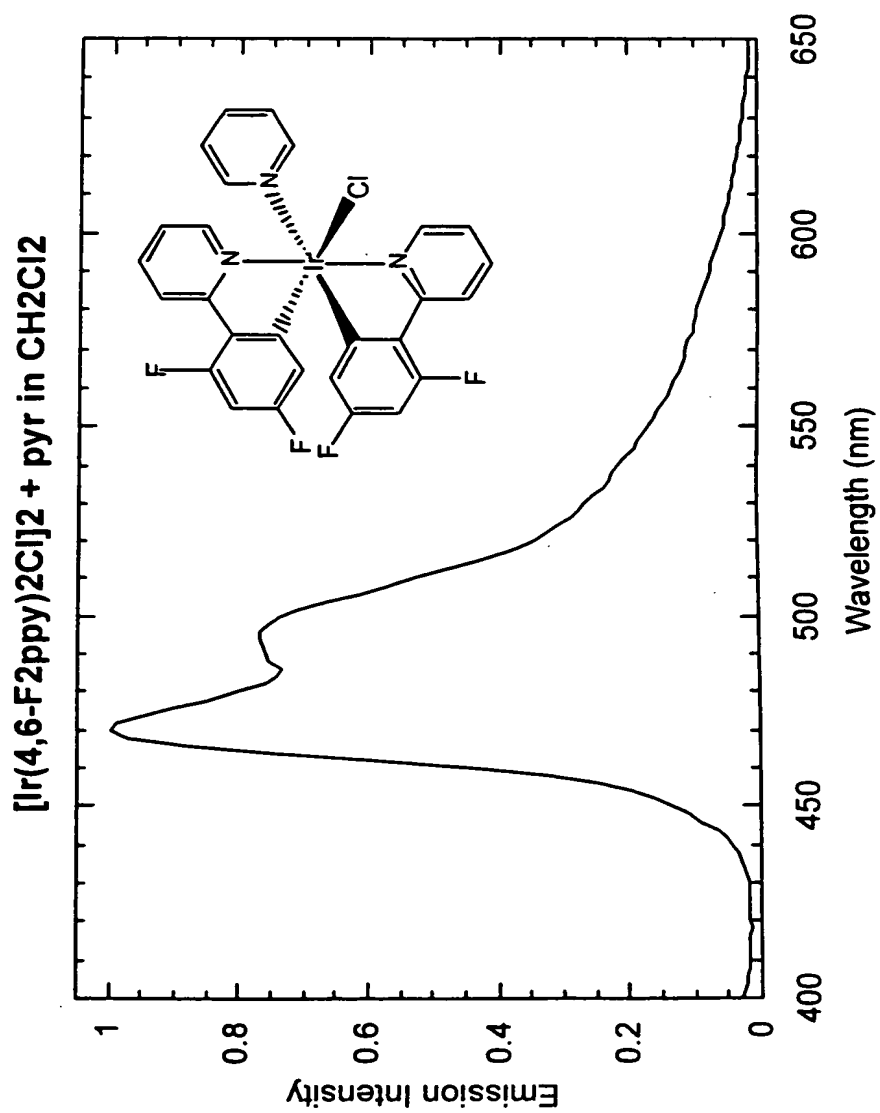


Figure 7d

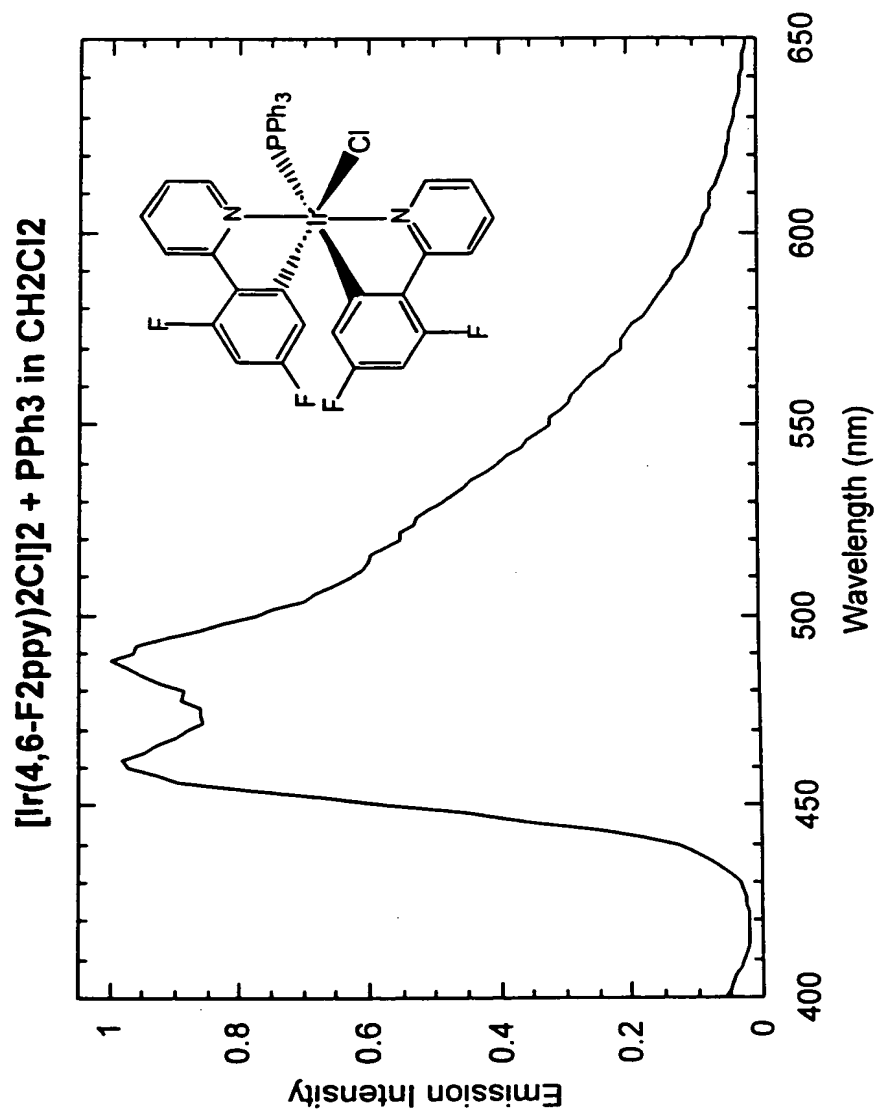


Figure 7e

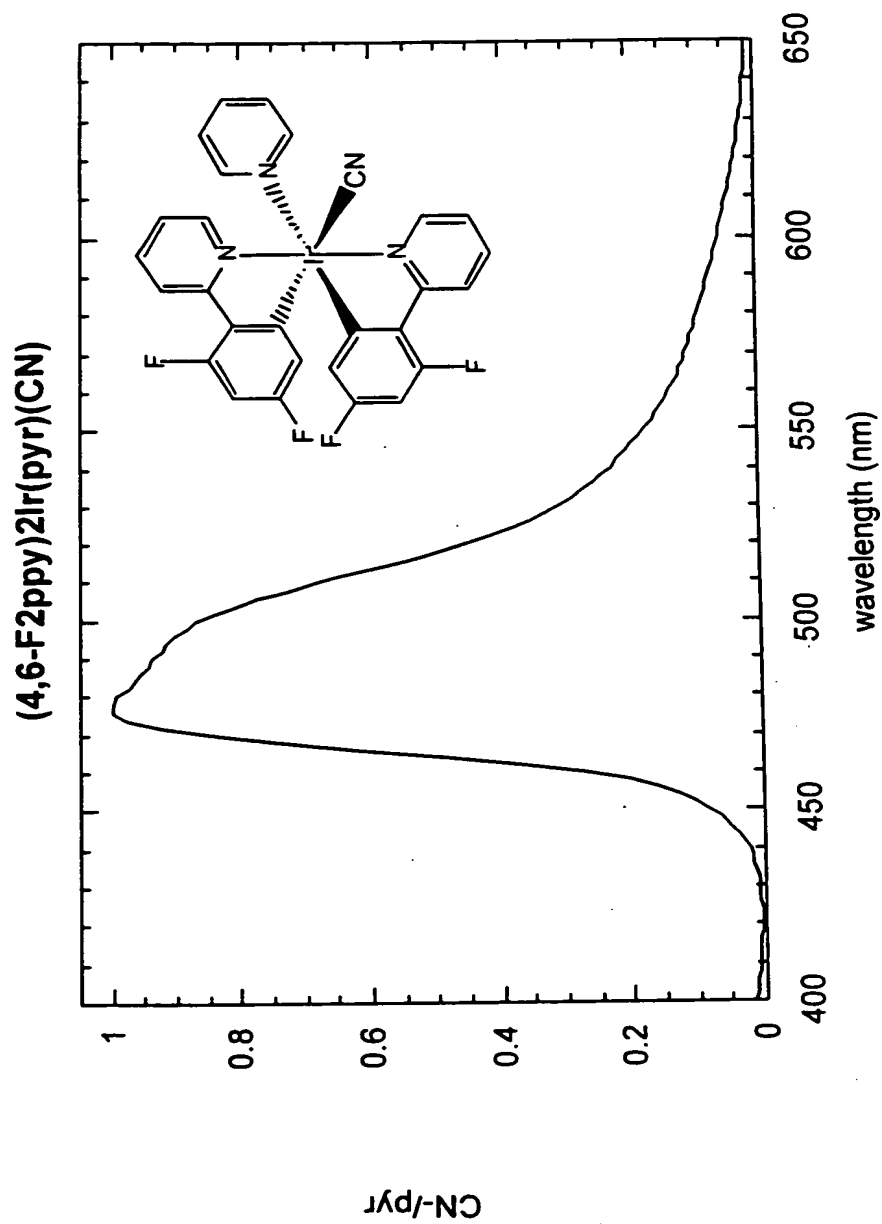


Figure 7f

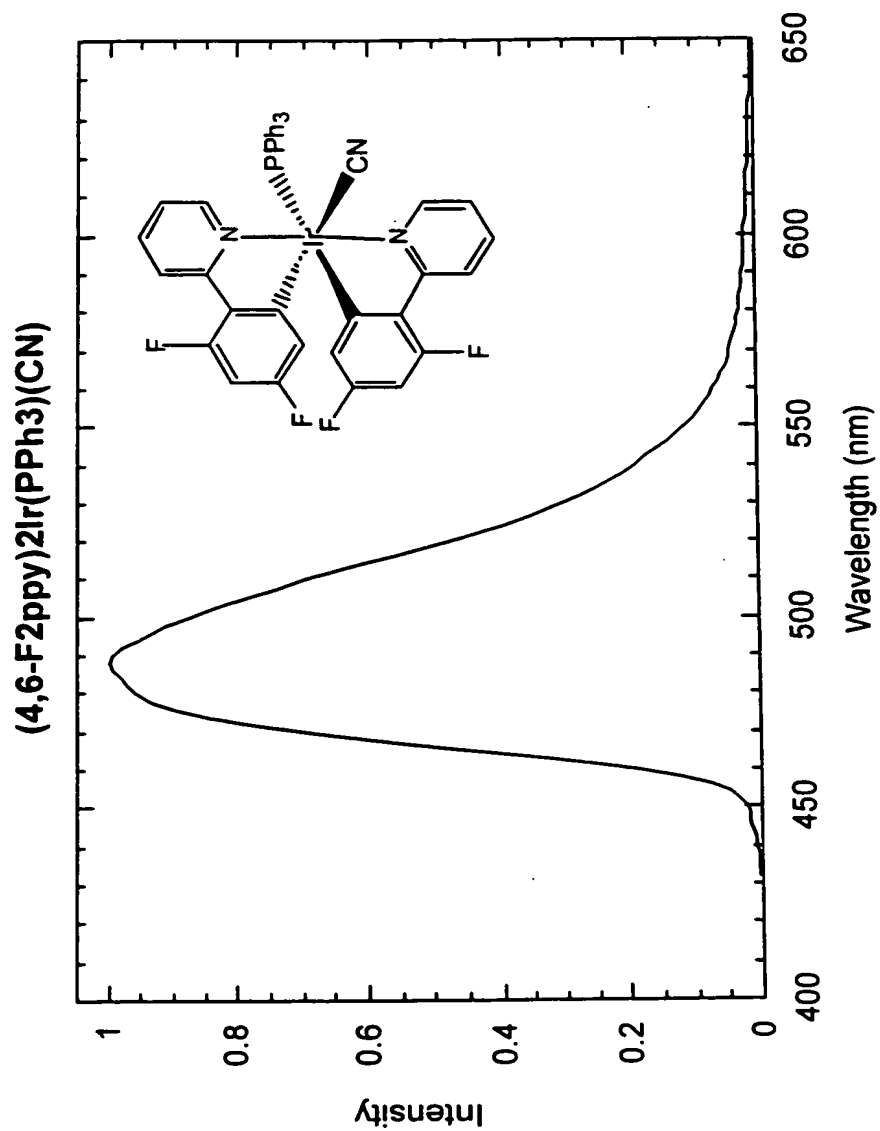


Figure 7g

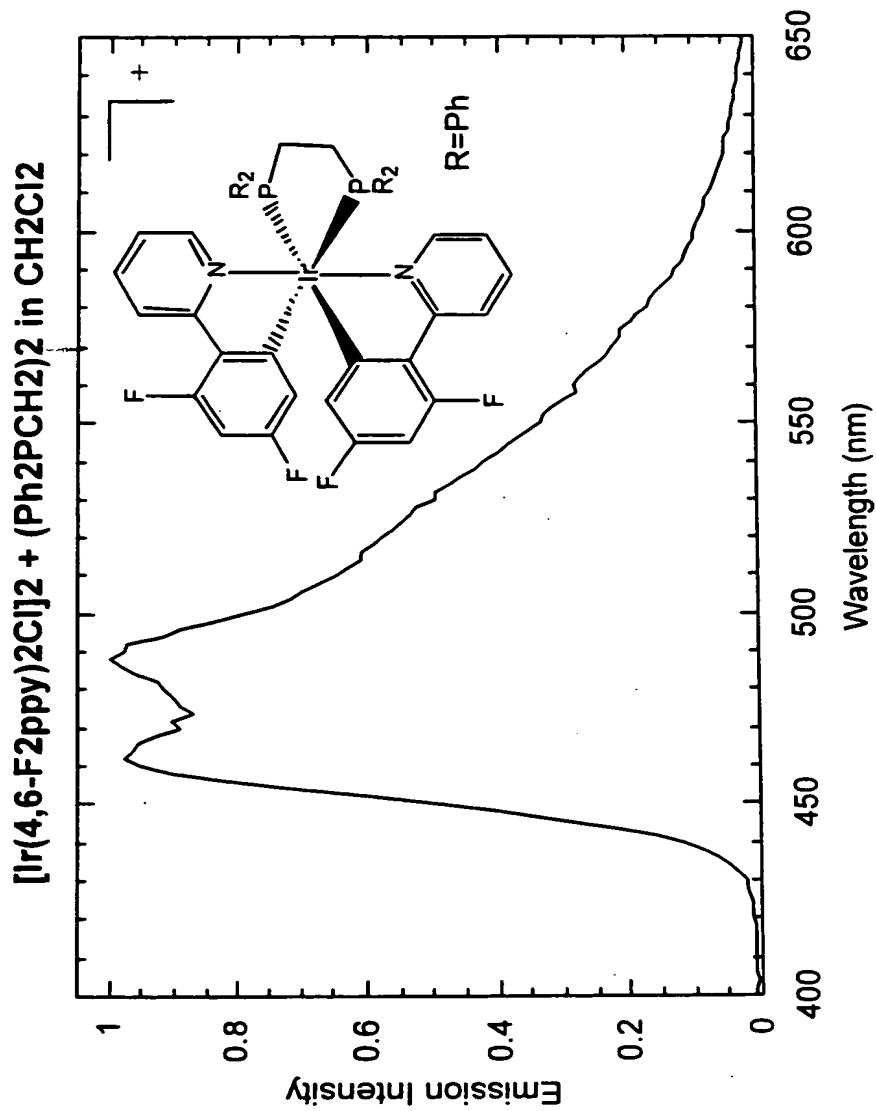


Figure 7h

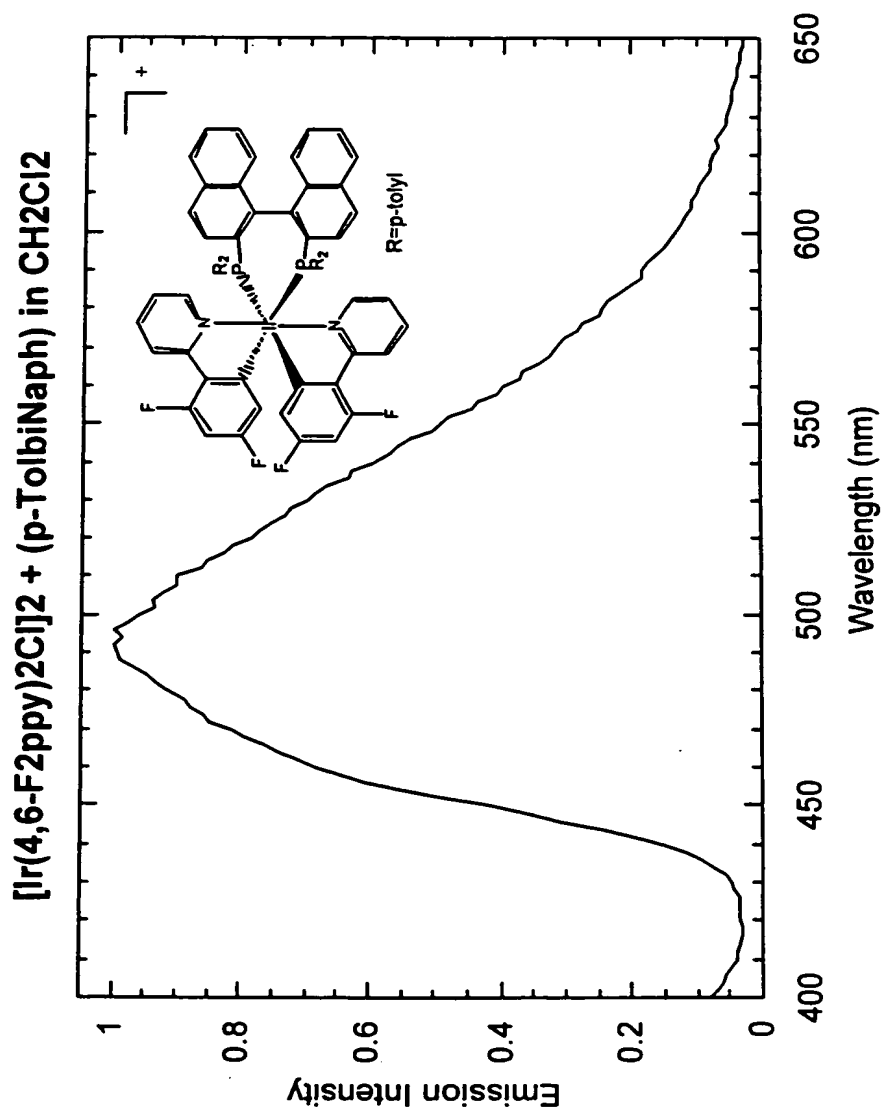


Figure 7i

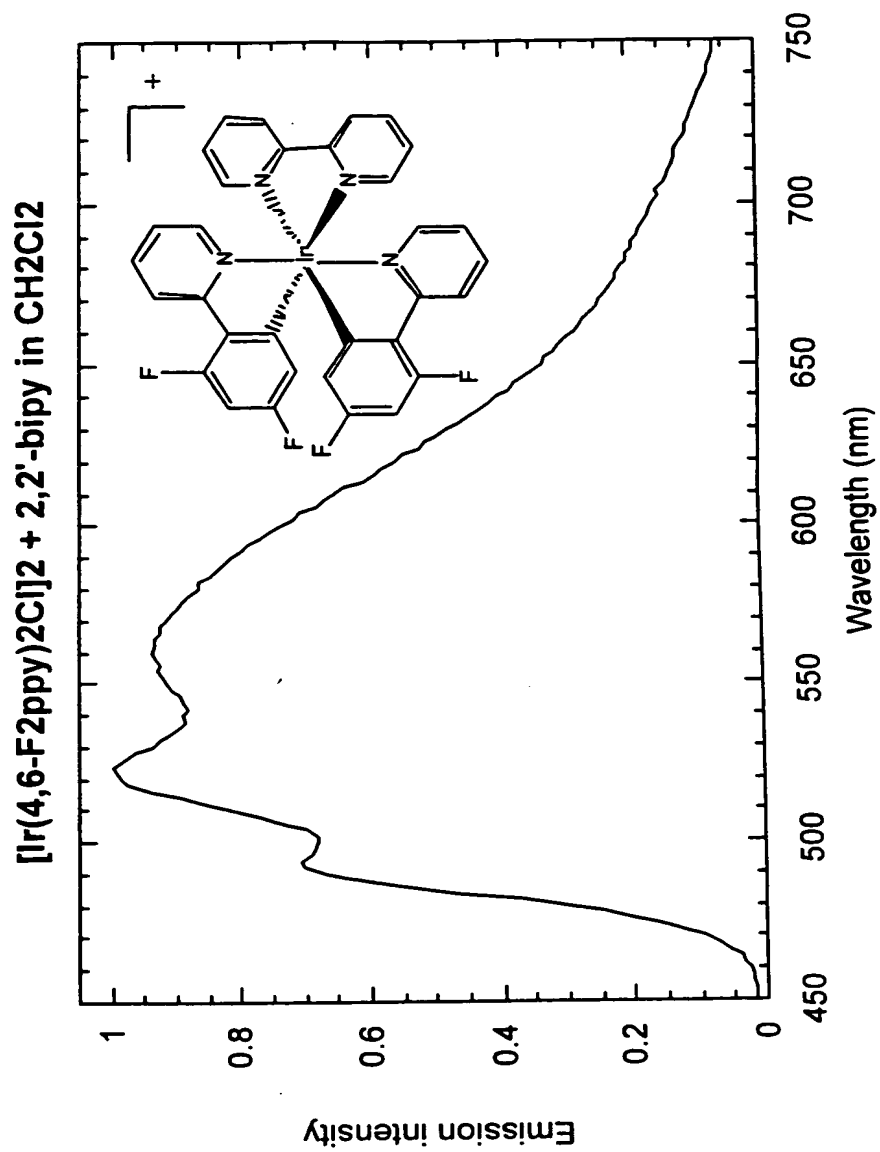


Figure 7j

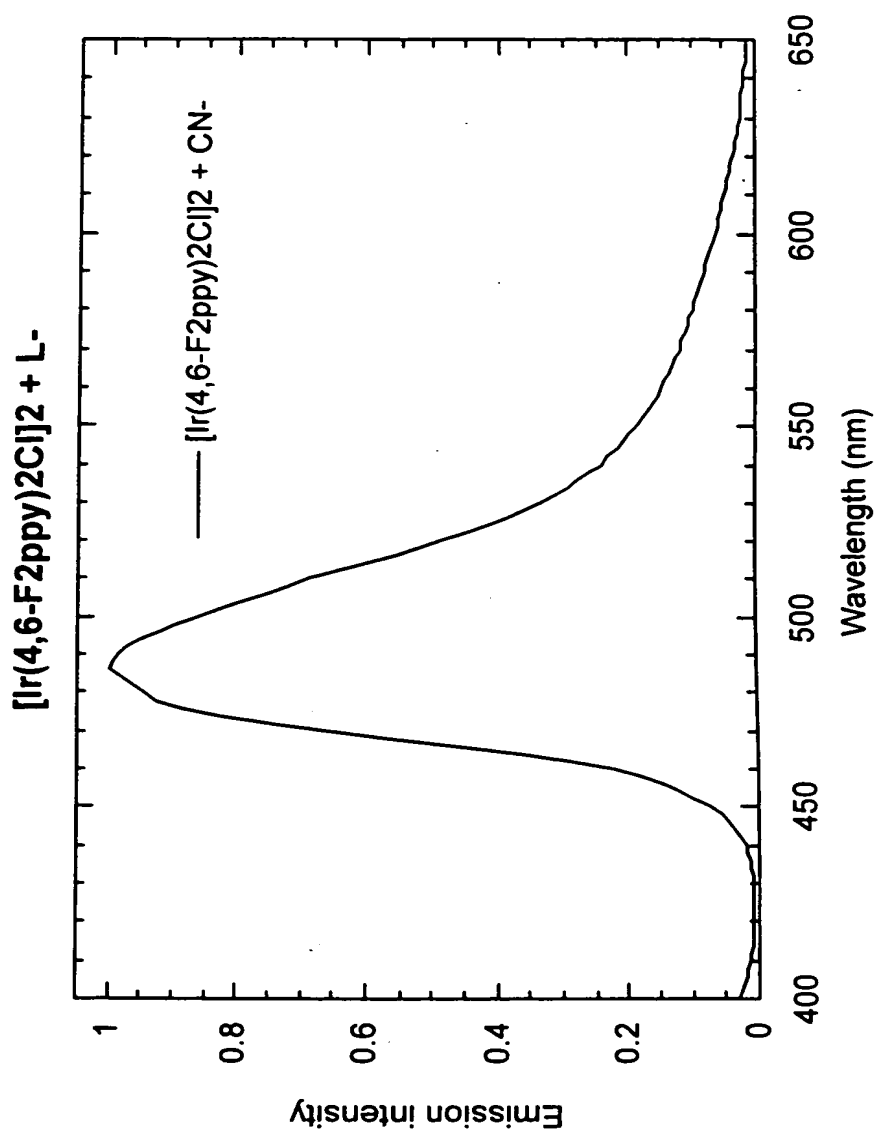


Figure 7k

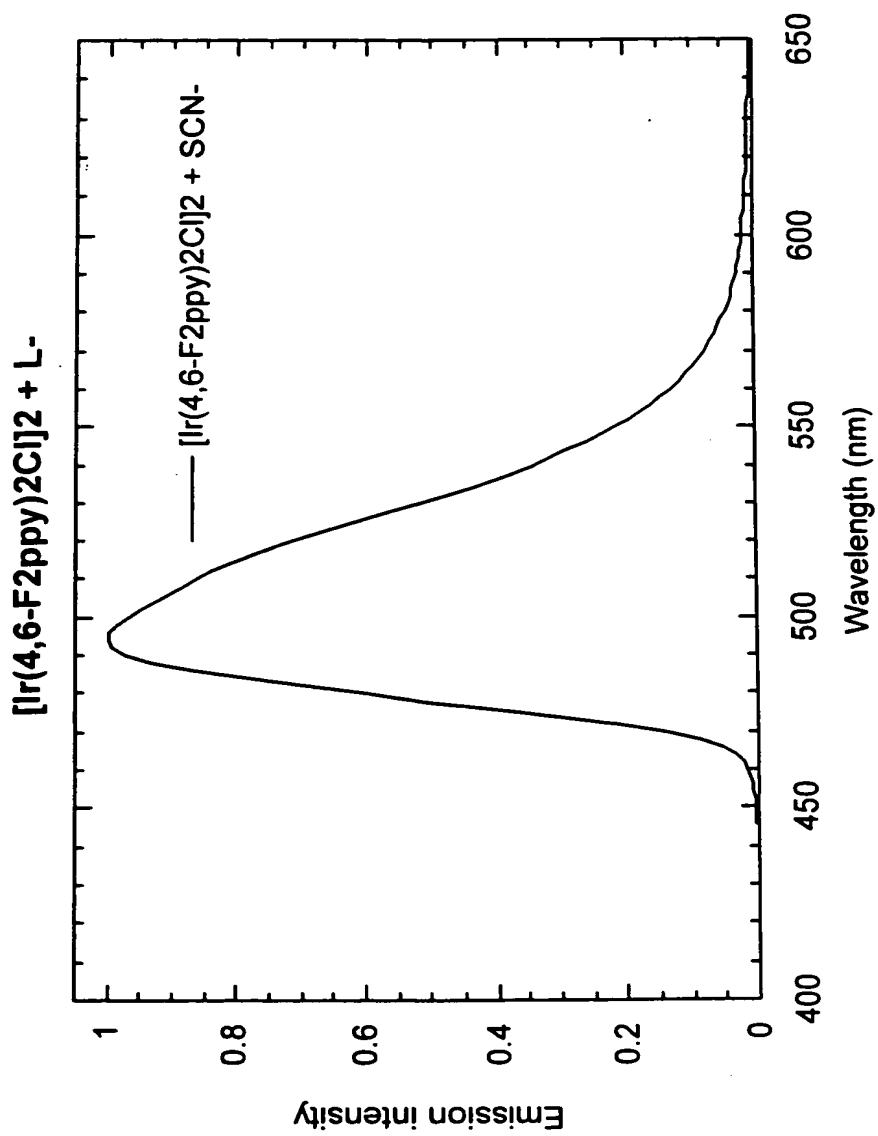


Figure 7d

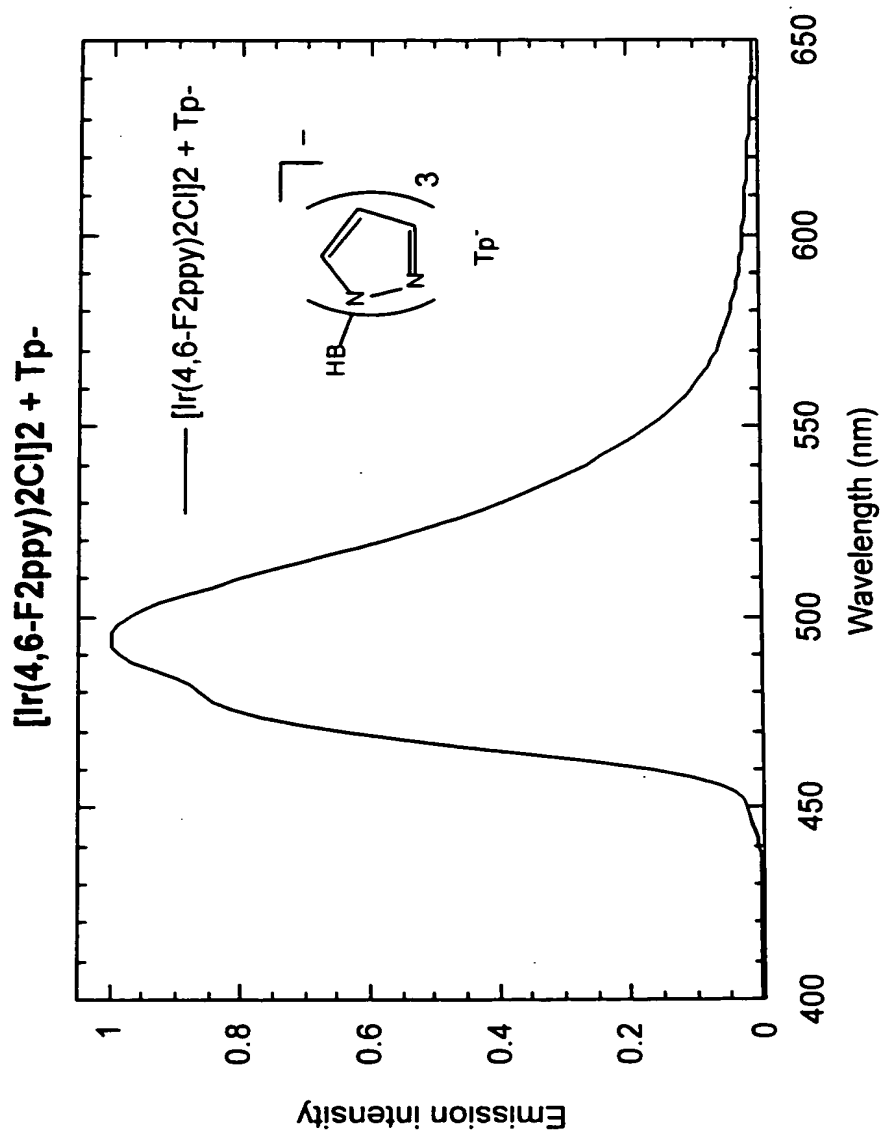


Figure 7m

Ir(4,6-F₂ppy)₂(acac) in CH₂Cl₂

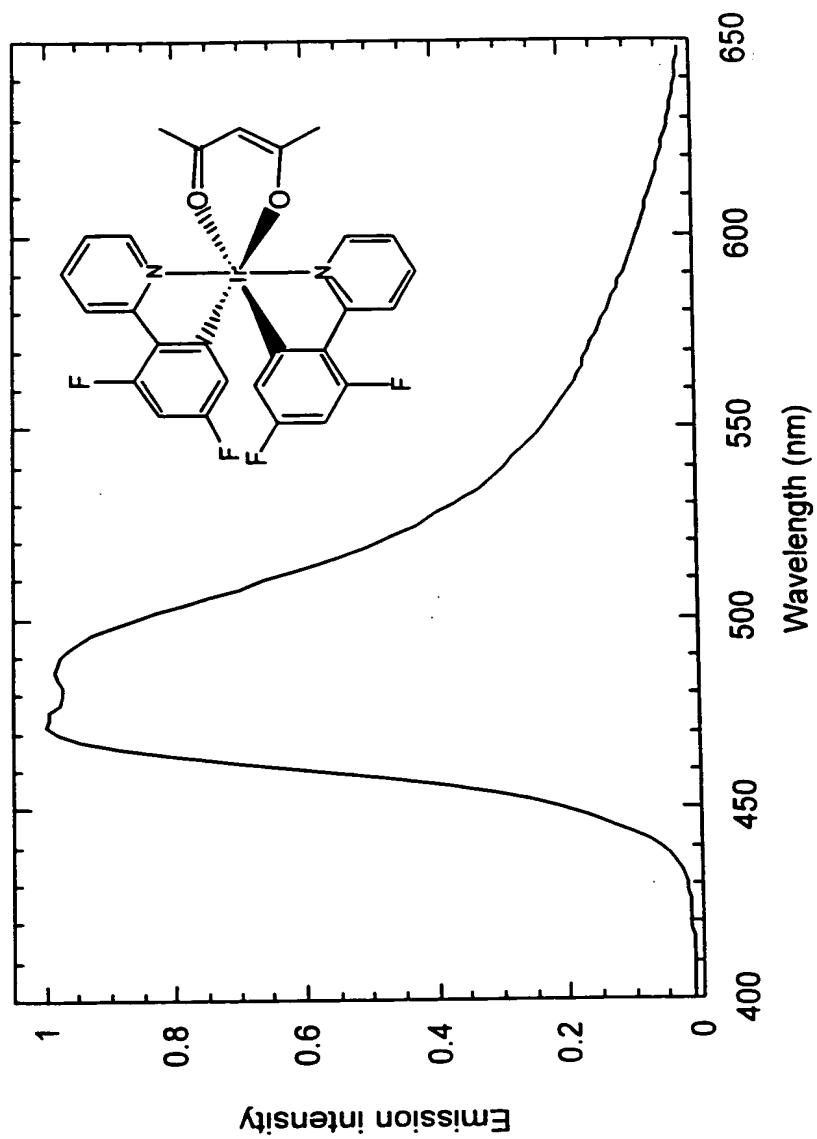


Figure 7n

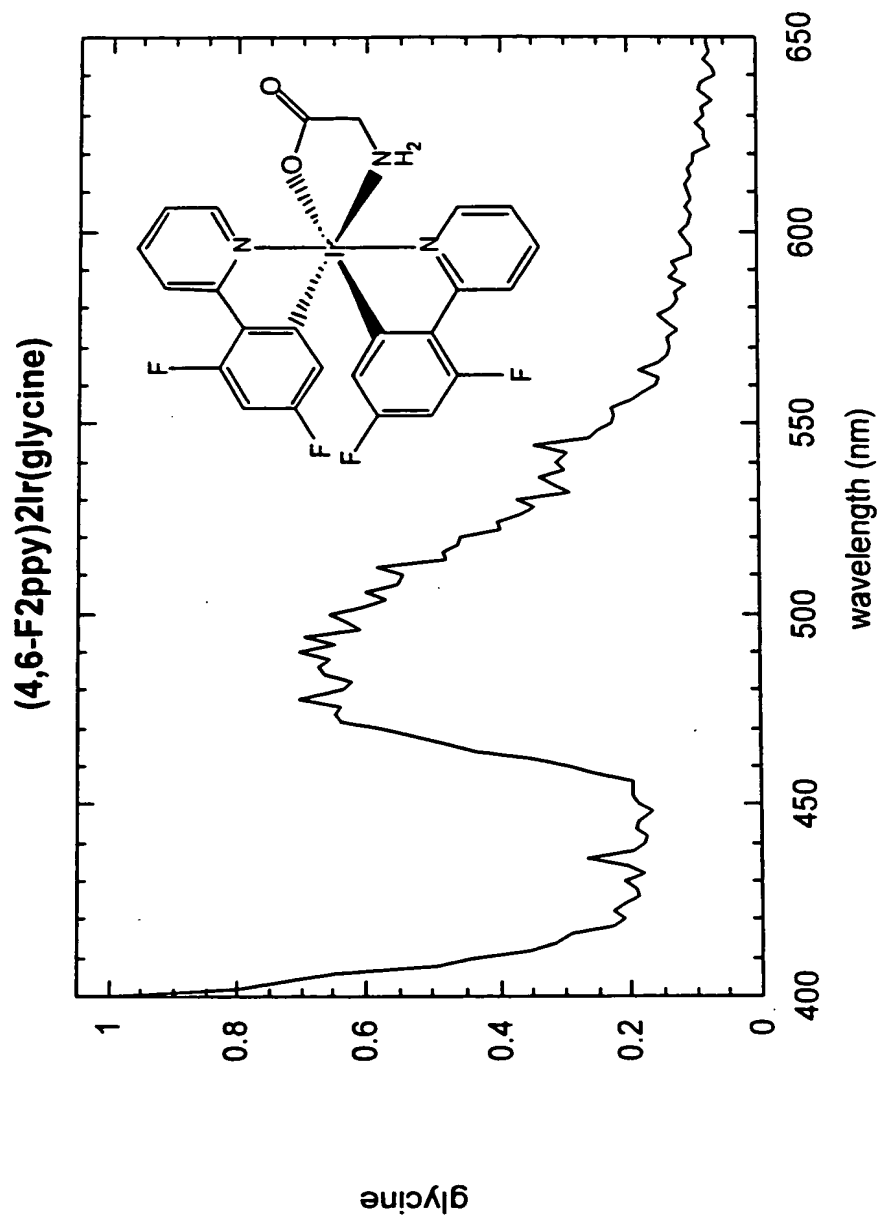


Figure 7o

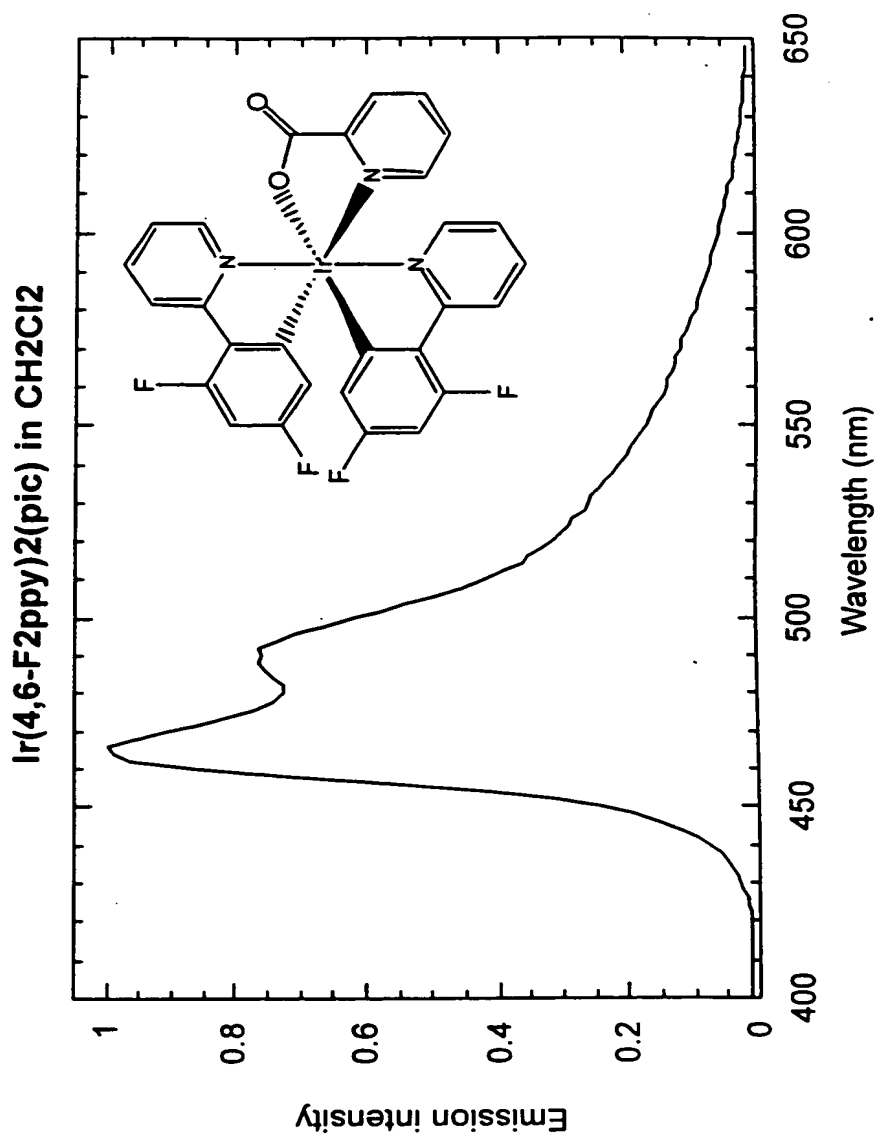


Figure 7p

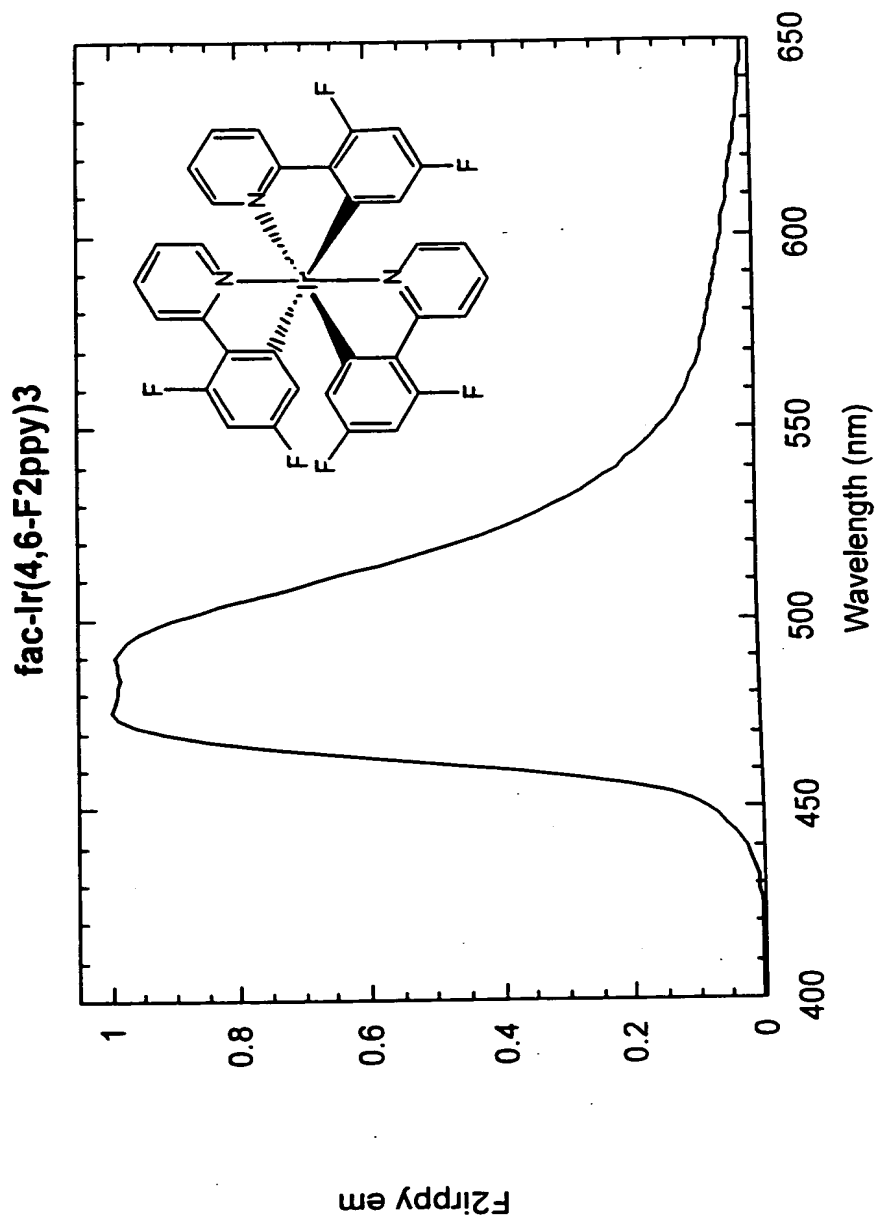


Figure 79

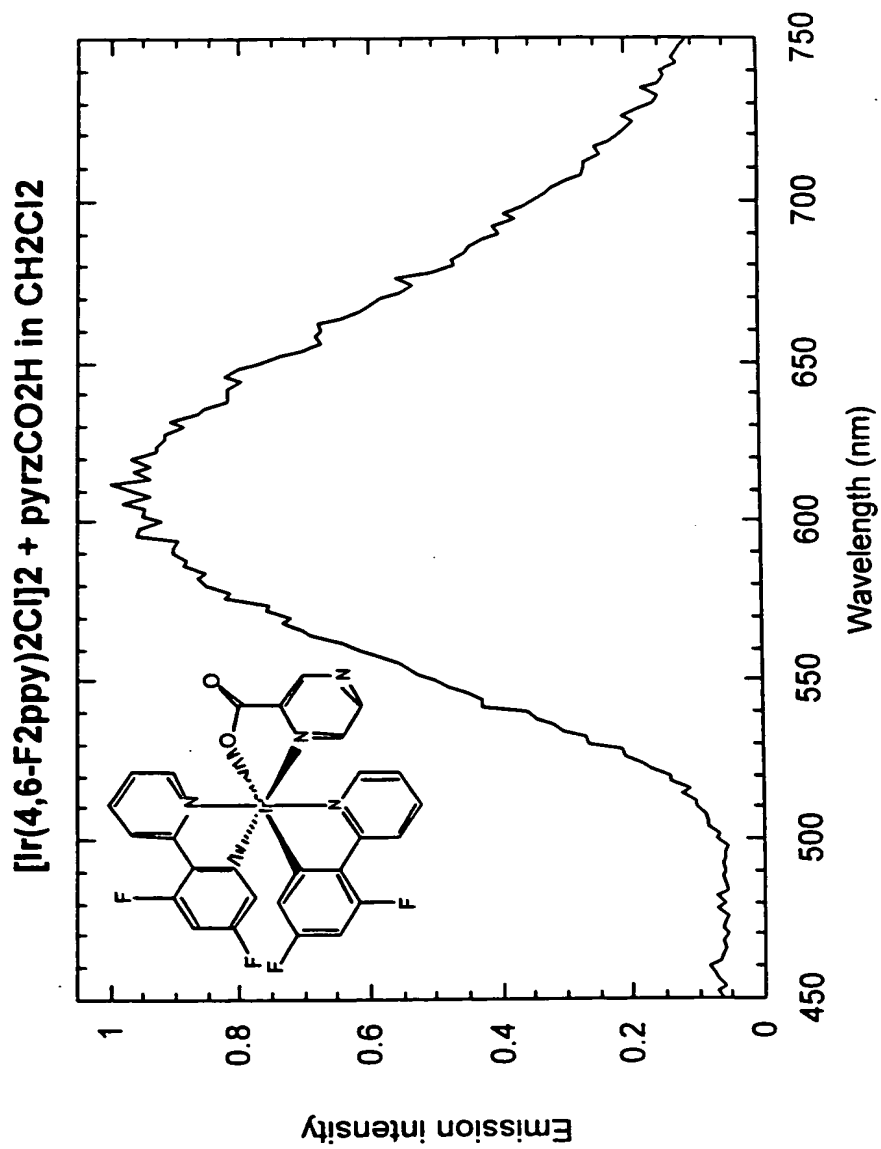


Figure 7r

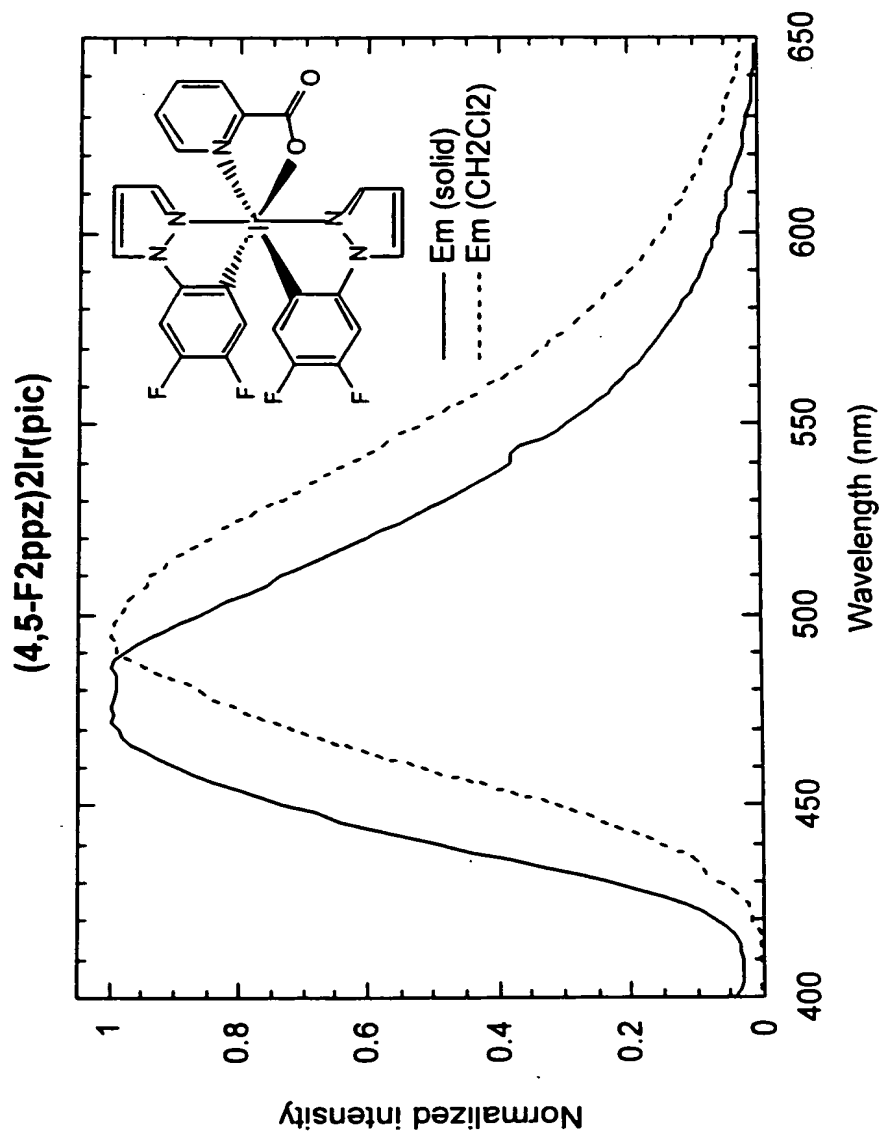
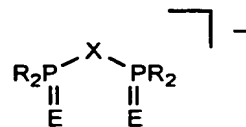
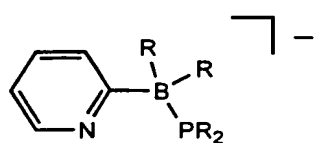
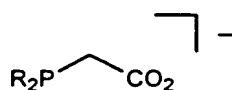
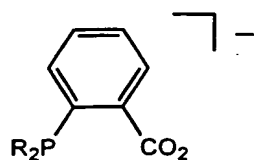
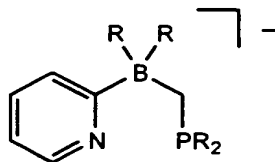
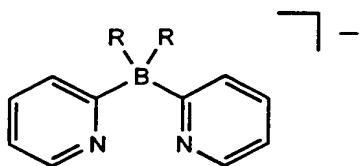
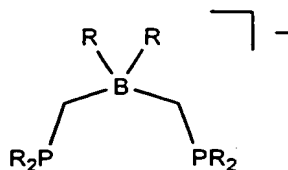
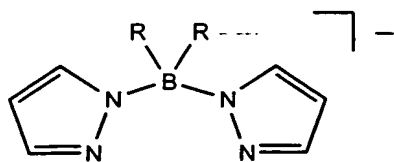


Figure 8a



X=CH, N
E=O, S, Se, Te

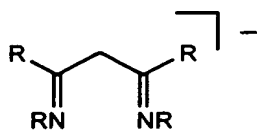


Figure 2b

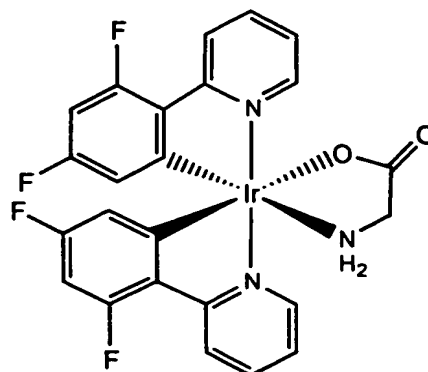
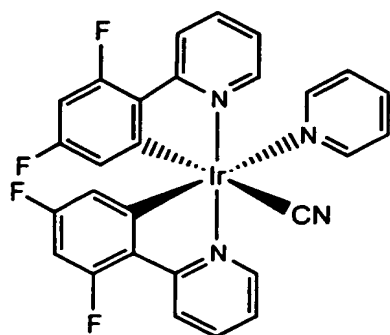
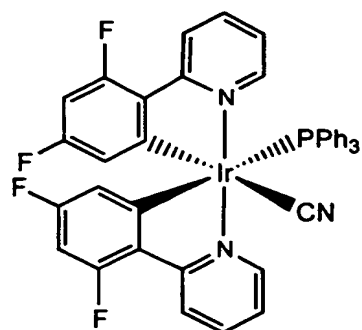
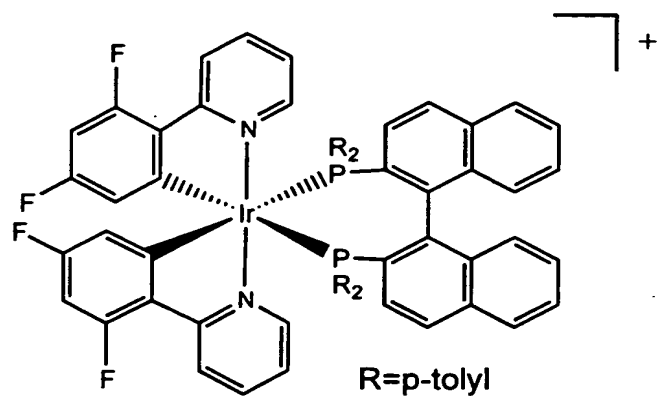
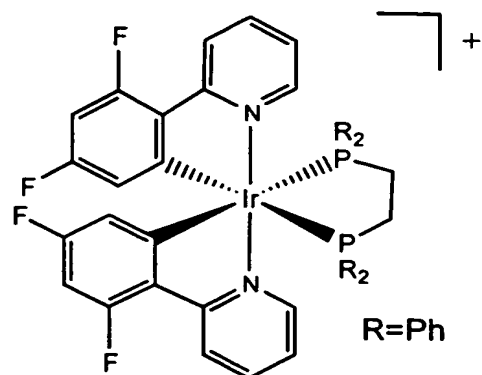
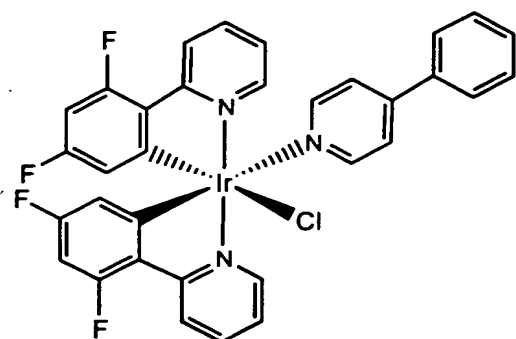
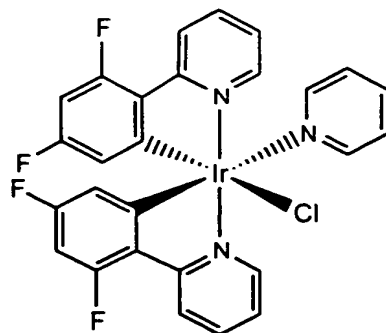
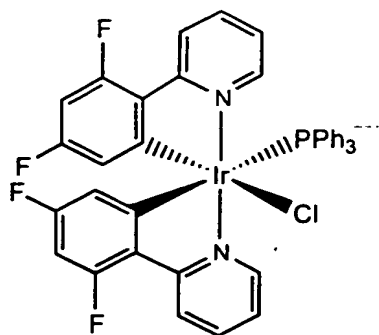


Figure 8c

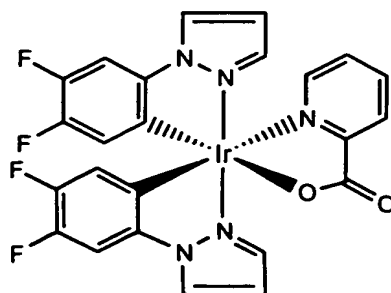
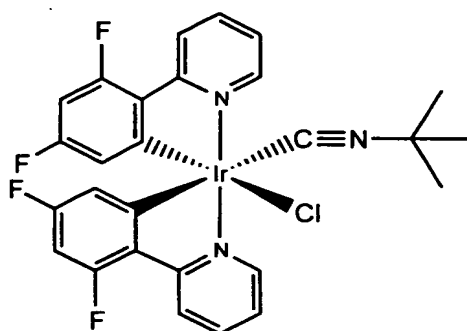
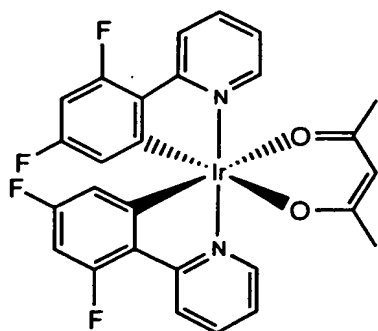
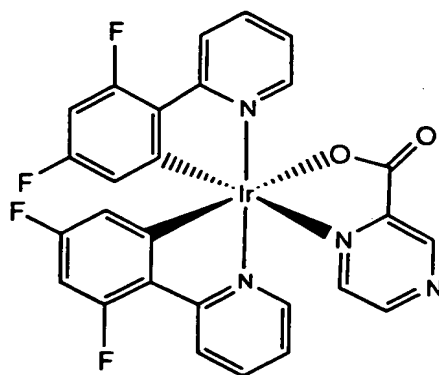
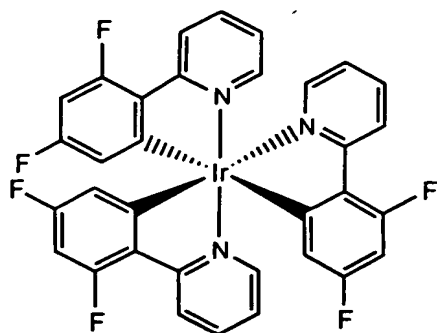
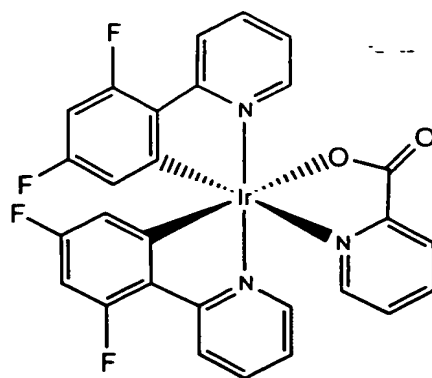
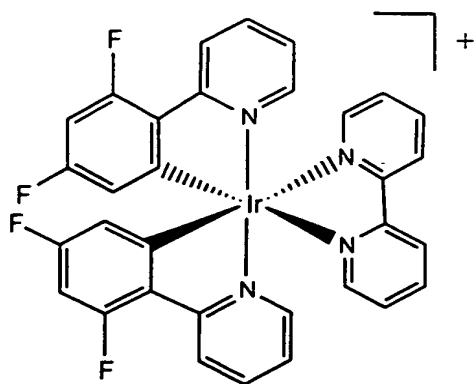


Figure 8d

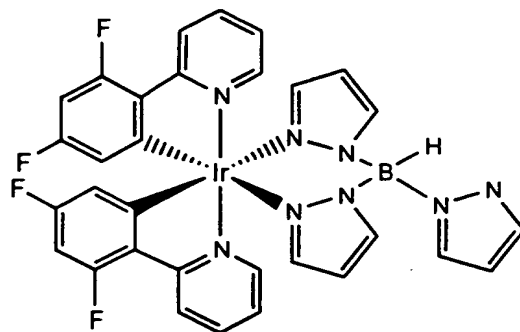
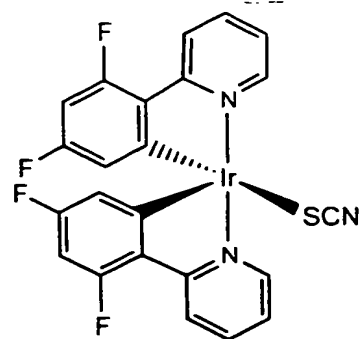
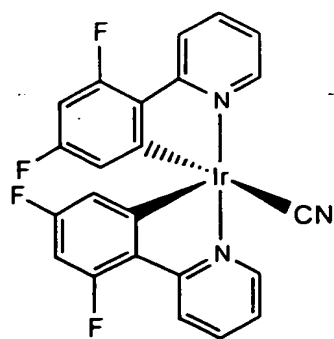
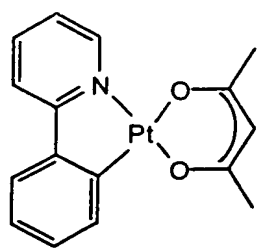
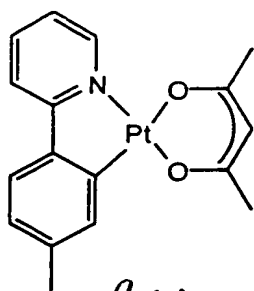


Figure 9(a) - 9(g)



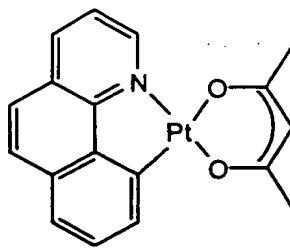
9(a)

(ppy)Pt(acac)



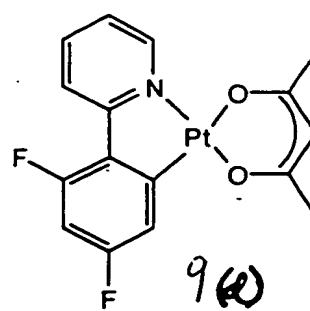
9(b)

(tpy)Pt(acac)



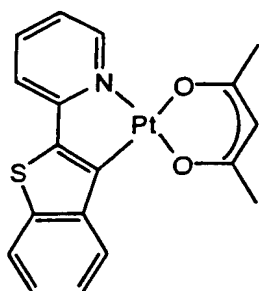
9(c)

(bzq)Pt(acac)



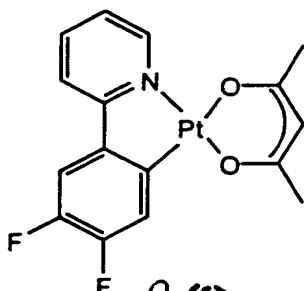
9(d)

(4,6-F₂ppy)Pt(acac)



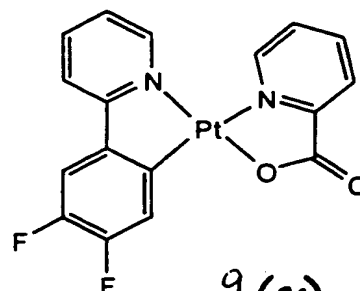
9(e)

(btp)Pt(acac)



9(f)

(4,5-F₂ppy)Pt(acac)



9(g)

(4,5-F₂ppy)Pt(pico)

Figures 9(a) - 9(g)

Figure 10: This Emission spectrum shows the spectra of both Pt(ppy)_2 and $\text{Pt(ppy)}_2\text{Br}_2$. The former gives green emission, partly from MLCT transitions, and the latter gives blue emission, predominantly from a triplet $\pi-\pi^*$ transition. The structure observed for the $\text{Pt(ppy)}_2\text{Br}_2$ spectrum is consistent with ligand centered emission. The luminescent lifetimes for the two complexes are 4 and 150 μsec .

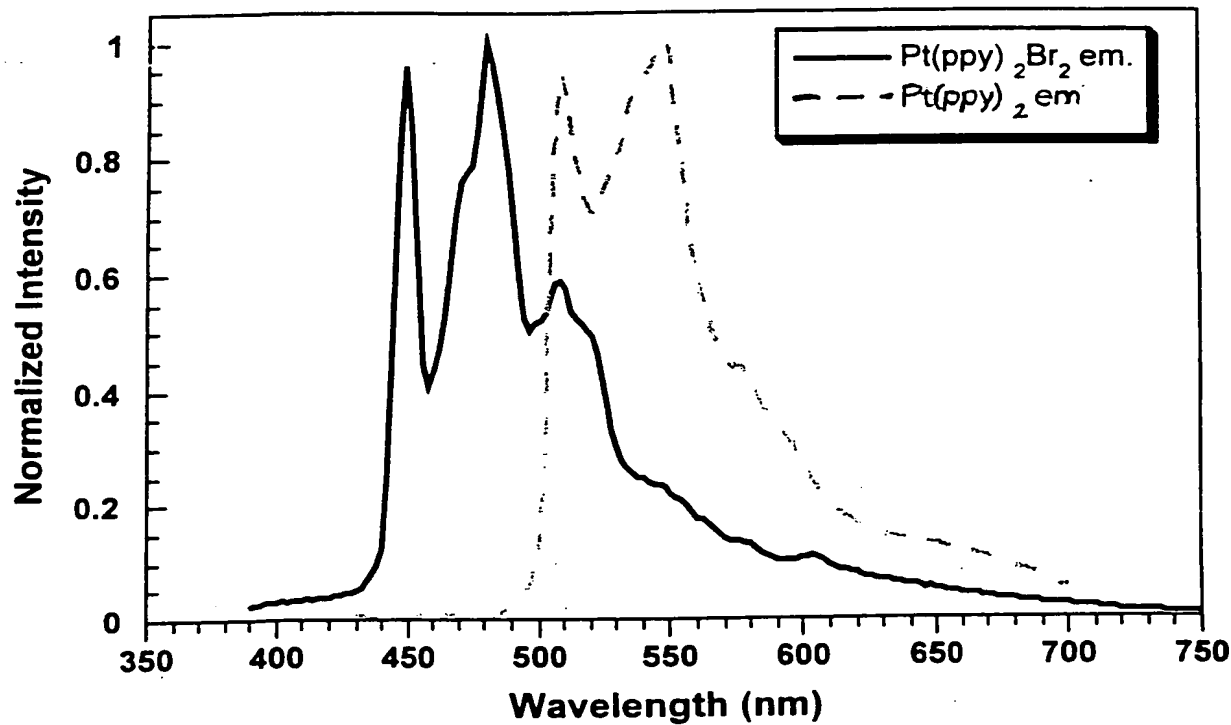


Figure 10

Figure 11: This plot shows the emission spectra of (ppy)AuCl₂ and (ppy)Au(2,2'-biphenylene). Both emit from ligand triplet $\pi-\pi^*$ transitions.

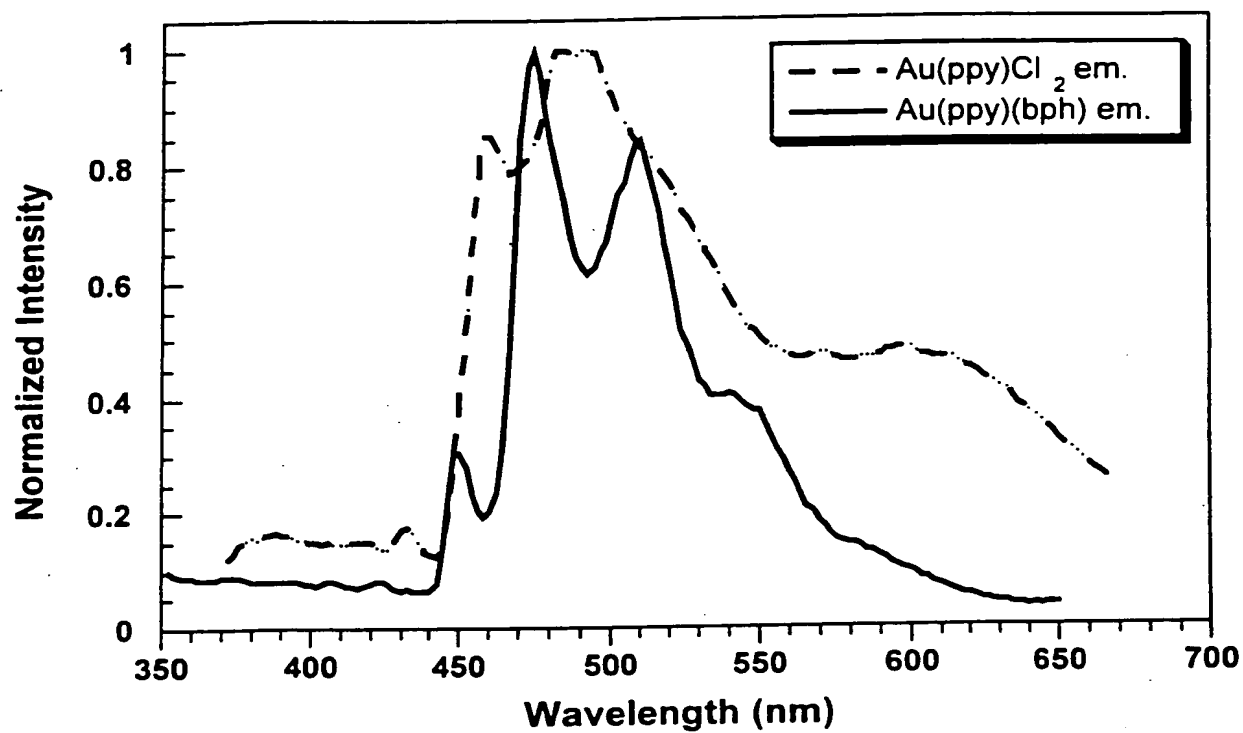


Figure 11

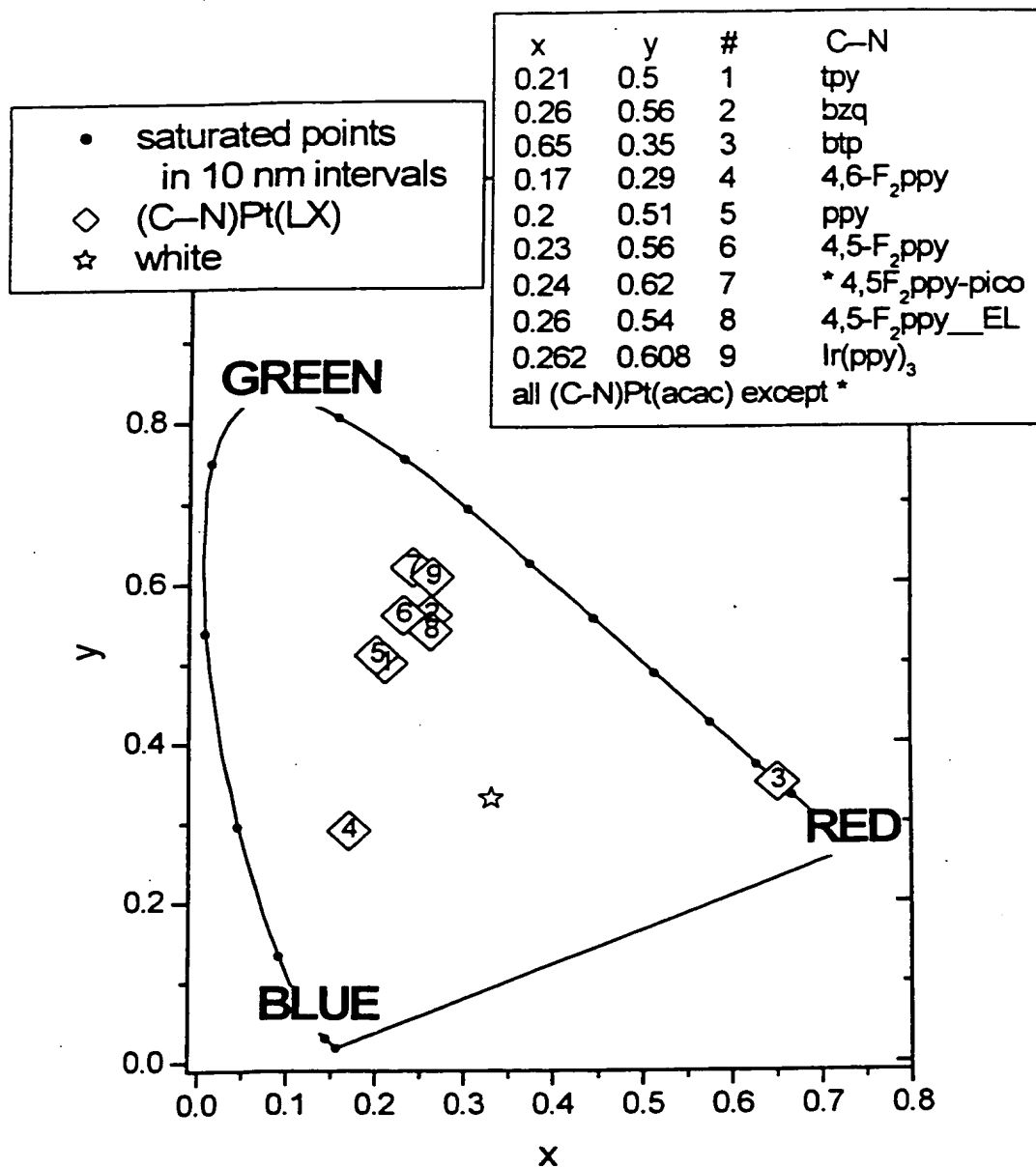


Figure 12

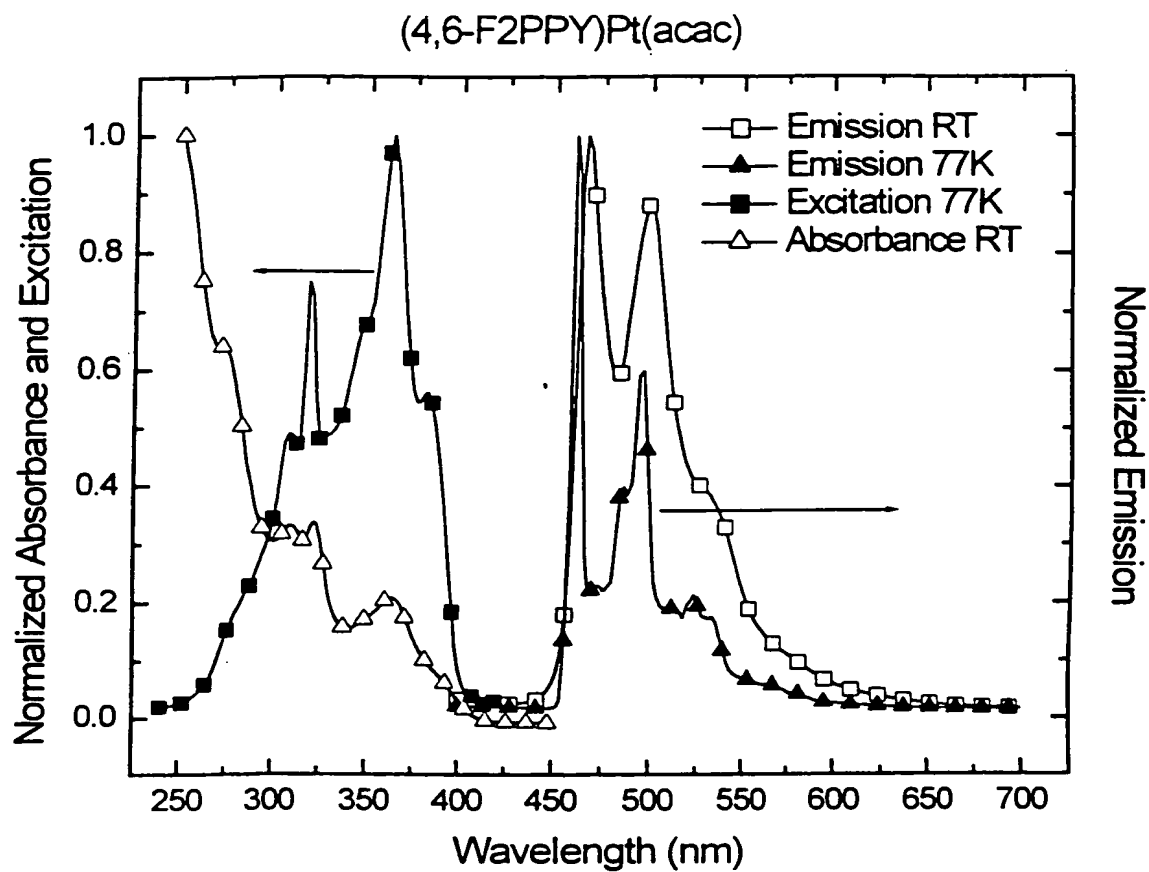


Figure 13

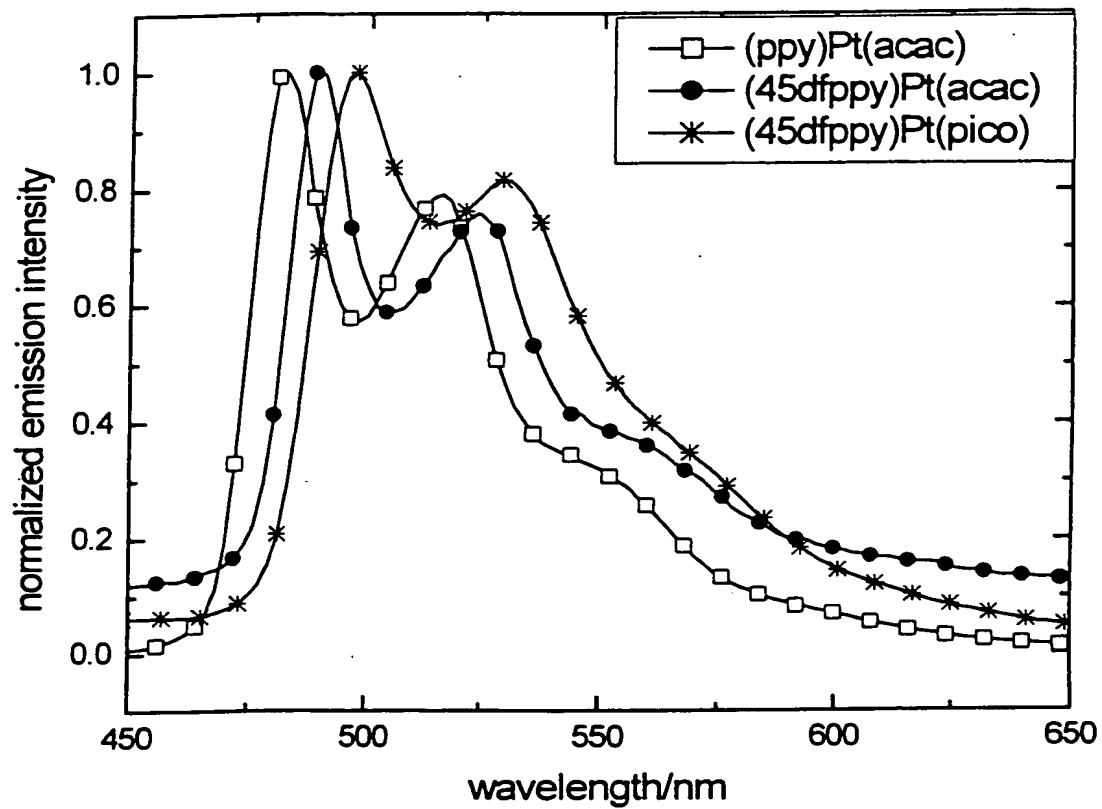


Figure 14

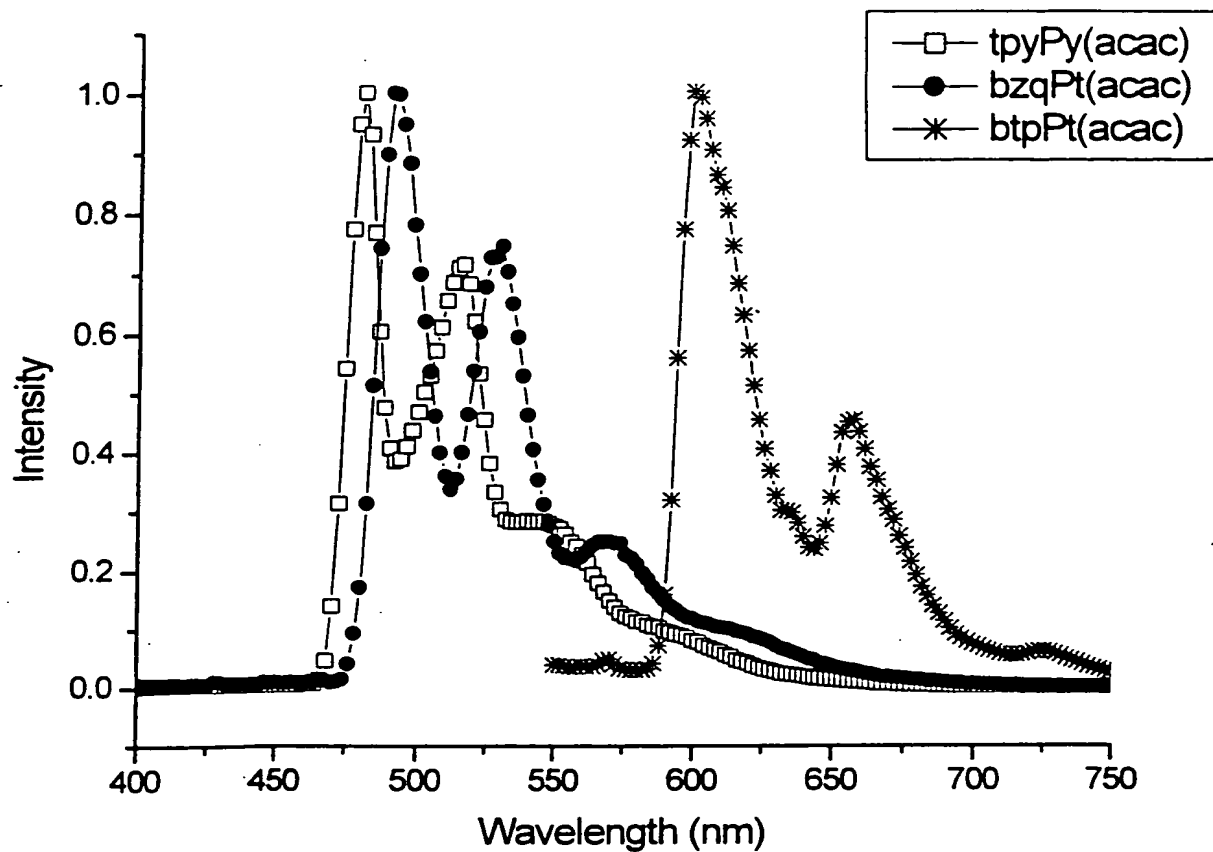


Figure 15

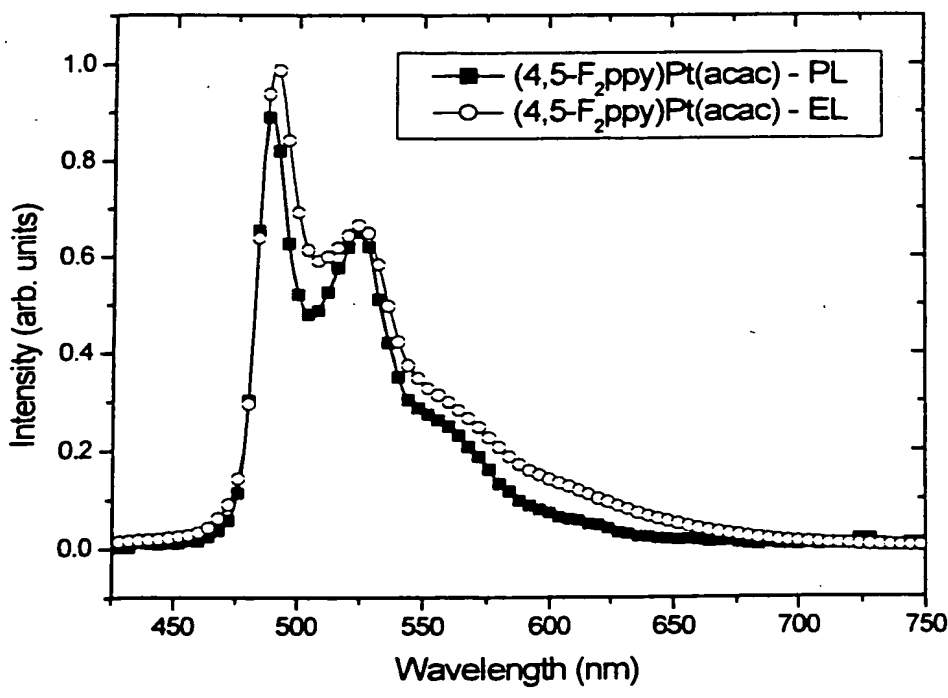
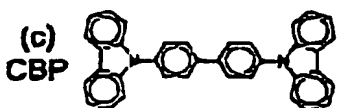
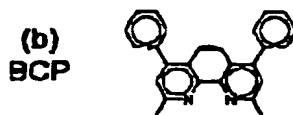
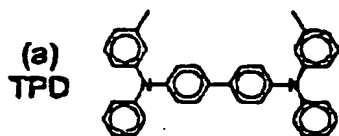


Figure 16

FIG. 17

PRB 62

HOSTS



GUESTS

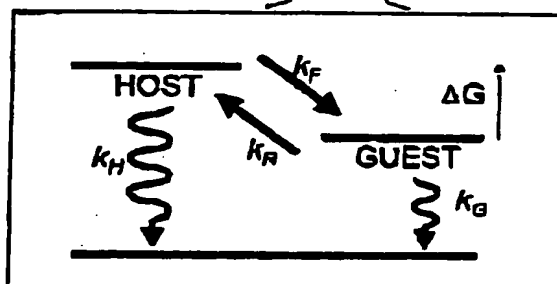
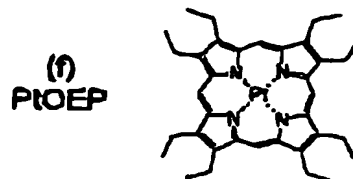
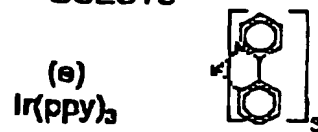
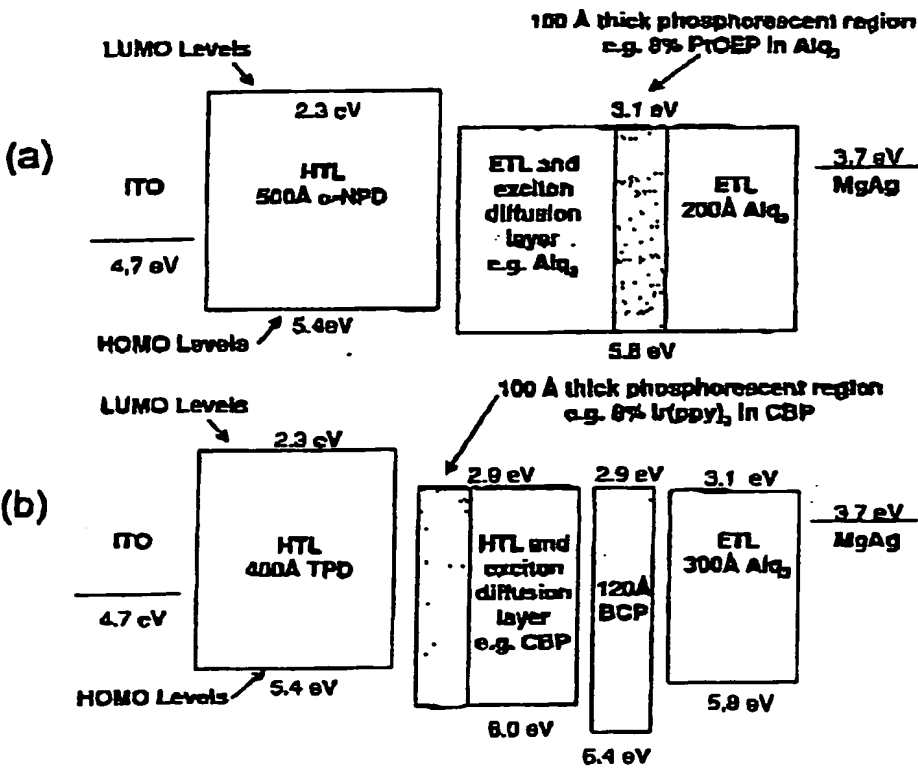


FIG. 18

PRB 62



T09T0T=54132660

FIG. 19

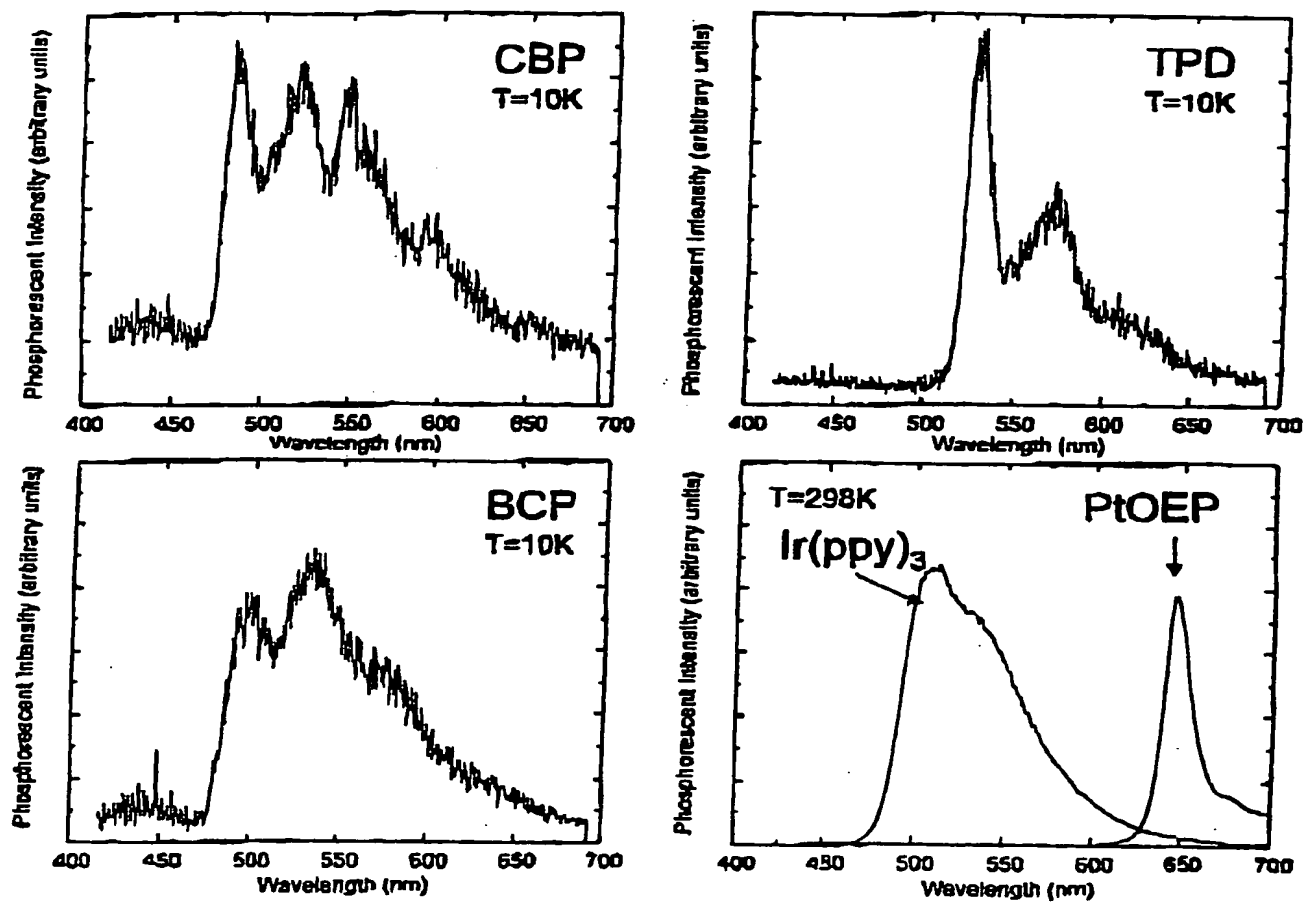


FIG. 20

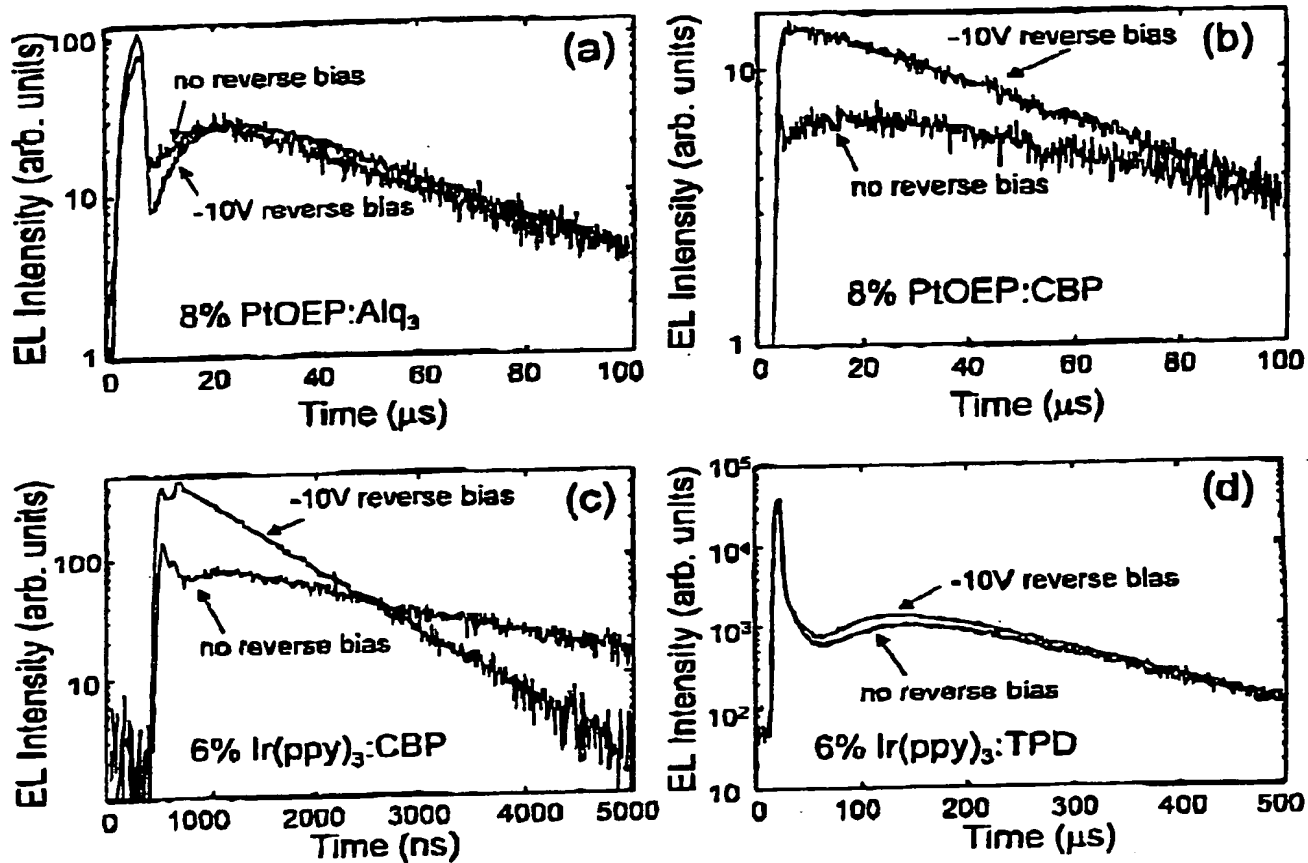
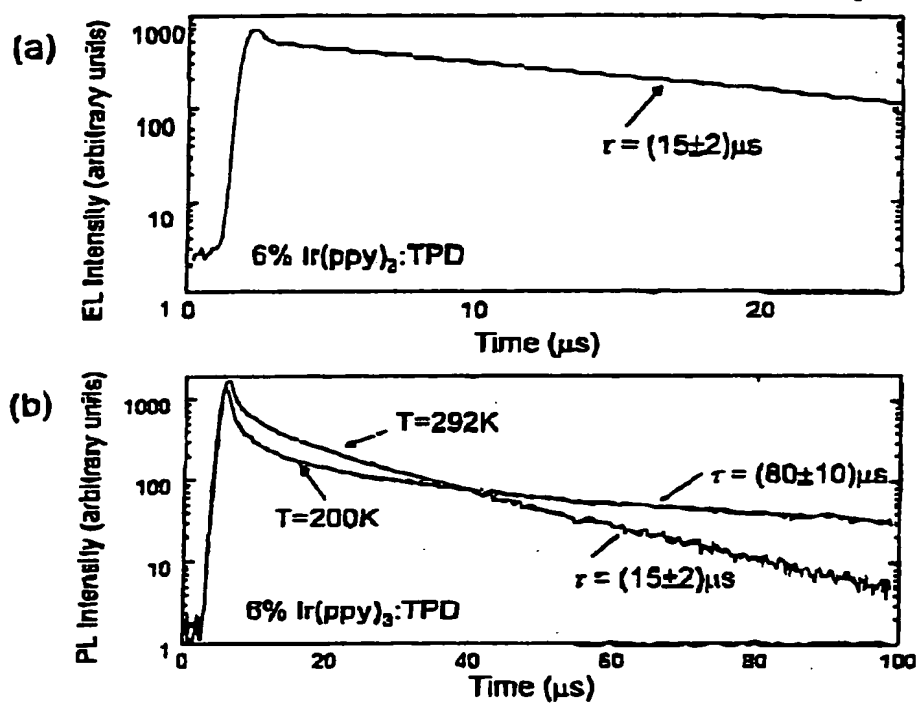


FIG. 21



TEST OF SSB260

FIG. 22

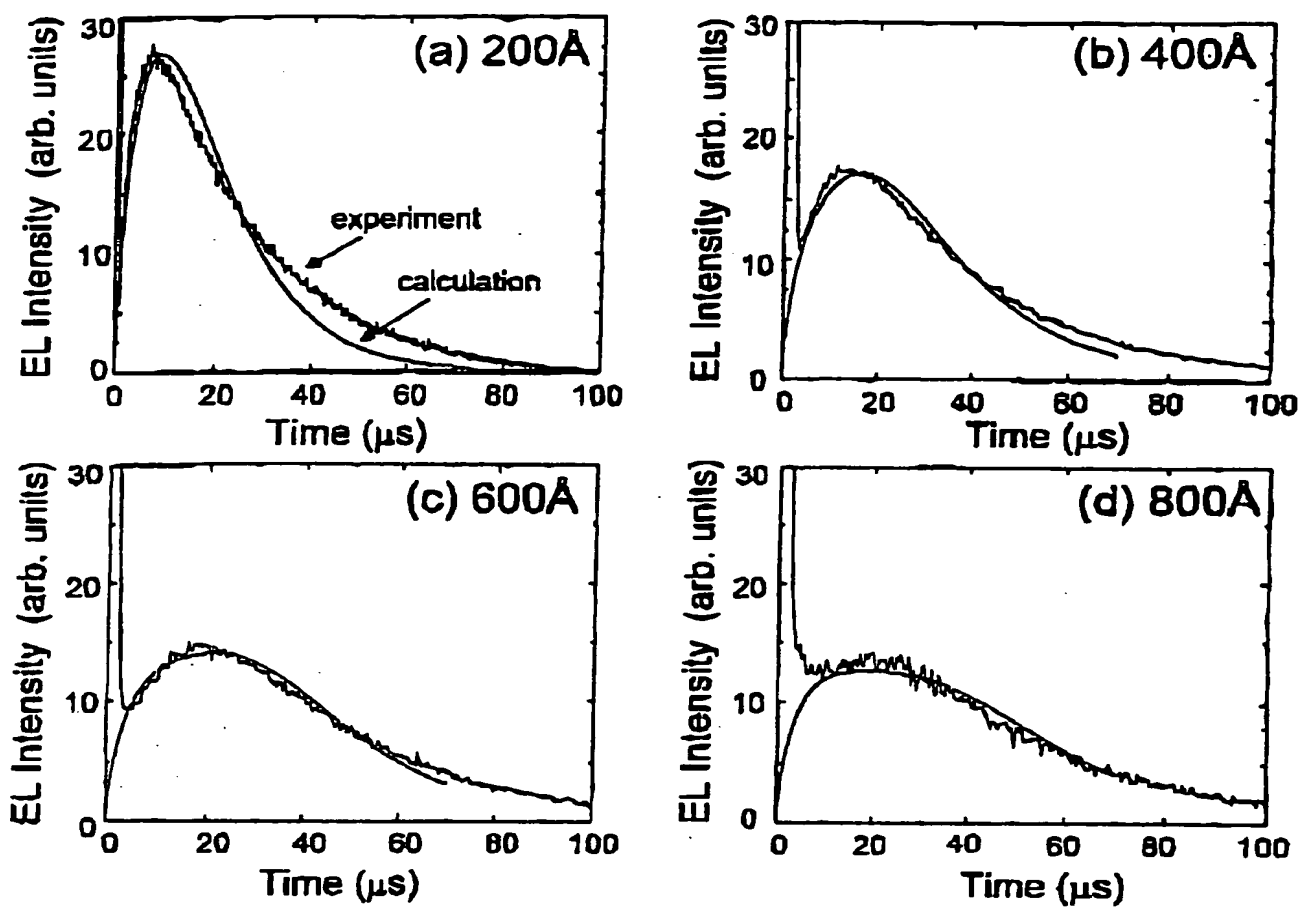


Fig. 23

